THE CHEMIST AND DRUGGIST

TELEPHONE BANK NUMBER

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STOCKTAKING.

Allen & Hanburys Ltd. desire to give notice that their Works will be closed for Stocktaking on Monday, Tuesday, and Wednesday, June 28, 29, and 30, but small urgent orders will receive attention during this period.

Allen & Hanburys,

MANUFACTURERS OF

Flexible Gelatine Capsules.

SPECIAL ADVANTAGES.

(*a*) **Freedom from Smell.**—Long experience in gelatine coating has enabled us to put forward a Capsule which, whilst being quickly and perfectly soluble, is not permeable to the odour of the drug—a point of great advantage.

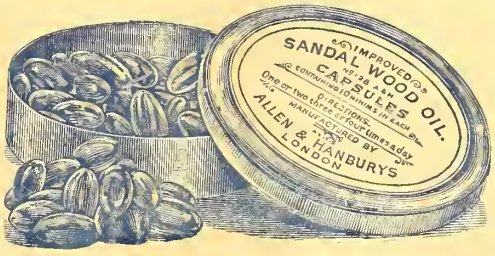
(*b*) **No Contraction or Shrinkage.**—The Capsules, being entirely filled with medicament, do not shrink and become unsightly, as is usually the case.

(*c*) **Flexibility and Solubility.**—The Capsules retain their flexibility for any length of time, and are always readily soluble.

(*d*) **Do not Adhere.**—Although very soft and flexible, they do not stick together even in hot weather.

Capsules form a ready means for the administration of nauseous medicines, and, from their shape and flexibility, they can be readily swallowed by patients who experience a difficulty in taking pills.

The greatest care is taken to insure accurate manipulation, and no pains are spared to make the finished product as perfect as possible, whilst we trust that the fact of these goods being of our own manufacture will inspire confidence in our customers as to the reliability of their contents.



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Allen & Hanburys Ltd., Plough Court, Lombard Street, London.

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Exchange Column, *Coloured Supplement.* Index to Advertisements, pp. 11-13 (bottom folios).

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NEAREST STATION,
OLD BATTERSEA STATION,
West London Extension Railway.

THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, JUNE 26, 1897.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

The Circulation of THE CHEMIST AND DRUGGIST SUPPLEMENT

NEXT WEEK, JULY 3, 1897,

WILL EXCEED 14,000.

That is to say, it will comprise the entire Drug Trade of the United Kingdom, and will, besides, extend to the whole of the Foreign Circulation of THE CHEMIST AND DRUGGIST.

Take advantage of it by advertising your wants. If you want a Business, or wish to sell one; If you have a Situation vacant, or wish a Situation, you cannot do better than advertise in this Supplement.

Advertisements received by the Publisher, 42 Cannon Street, London, E.C., NOT LATER than THURSDAY, July 1, at 5 p.m.; but send earlier if you can.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.
PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—**£1,000.—HOLBORN (DISTRICT).**—Modern Pharmacy; well situated in busy thoroughfare; returns average over £1,000 yearly *with good profits*; the shop is nicely fitted and well stocked; intending investors with about £500 at command can have particulars.

2.—**£650.—LONDON, W.**—Old-established Business, Retail, Dispensing, and Prescribing; returns under manager nearly £650; *net profit* £230; single-fronted shop, well fitted and stocked; convenient residence; price about £550.

3.—**£600.—LONDON (MAIN ROAD).**—Ready-money Retail Business; returns present rate over £600; can be largely increased by personal attention; price goodwill £50; stock and fixtures at valuation.

4.—**£1,000—LONDON, S.W.**—Dispensing and Retail Business, situate in good residential locality; returns average about £1,000 yearly; handsomely-fitted pharmacy and large stock; commodious house; full particulars on application.

5.—**£1,000.—CRYSTAL PALACE DISTRICT.**—Well-fitted modern Pharmacy; returns present rate £1,000, increasing; commodious residence with small garden; price £860.

6.—**£1,200.—LONDON (Residential locality).**—Good-class Dispensing and Retail Business; returns present rate £1,200 per annum; the shop is handsomely fitted and well stocked; good residence, on lease; price about £900.

7.—**£1,000.—LONDON, N.E.**—Good middle-class Business; returns about £1,000 yearly; *net profit* £350; the vendor is desirous of finding an early purchaser, and will take £650 for the business.

8.—**PARTNERSHIP.**—Half share for disposal.—Wholesale and Retail, situate in a good provincial town; the business has been established over a century; the half-share produces £500 yearly; goodwill £250 and valuation of stock and fixtures.

9.—**£1,000.—SOUTH WALES.**—Light Retail, Prescribing, and Dispensing Business; returns present rate £1,000; *net profit* £400; modern fitted shop; stock large; capital residence, held on lease; price about £750.

10.—**£1,000.—HAMPSHIRE (Large town).**—Good-class Family and Dispensing Business; returns exceed £1,000 yearly; *profits* £500; the shop is handsomely fitted and well stocked, above the average; price about £900, estimated value of stock and fixtures.

11.—**£500.—BOURNEMOUTH (near).**—Illness cause of sale.—Old-established Business, situate in the main street; returns present rate £500; commodious shop and residence, 21 years' lease; price, valuation of stock and fixtures.

12.—**£650.—SURREY (Charming Locality).**—Mixed Business with Post Office attached; returns exceed £650 yearly; the shop is nicely fitted and well stocked; price £500.

13.—**£900.—HOME COUNTY.**—Good-class Business; returns about £900; *net profit* £300; double-fronted shop, well fitted and stocked; commodious house; the premises are situated in the best part of the town; population 5,000; full particulars on application.

14.—**£1,200.—CHATHAM.**—Retail, Dispensing, and Prescribing Business, situated in busy main street; returns £1,200; *net profit* £300; price £700.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.
Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.**

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS. NO CHARGE TO BUYERS.

WHOLESALE.—LANCASHIRE.—Old-established Business, having a large proportion of own Preparations, Patents, and Packed Goods; in thorough working order, and yielding a net profit of about £600 per annum; price of goodwill, plant, fixtures, patents, trade marks, &c., &c., £700, and stock at valuation, about £1,200, or, if desired, valuation of the whole could be arranged and a third remain on security; applicants must enclose references.

£900 returns.—**BEDS.**—Good class Country retail, with no Stores near: short hours and no Sunday duty; excellent residence and premises, with large garden; net profit about £300; price £750.

£1,600 returns.—**S. WALES.**—General old-established Mixed Retail for sale in consequence of failing health of vendor; energetic man would find in this ample scope for increase; net profit about £450; price about £1,200.

£1,200 returns.—**LINCOLNSHIRE.**—Fine shop in good position of large town; good-class trade; vendor retiring; price about £850.

£700 returns.—**LEICESTER.**—Good medium-class Retail; well-fitted shop; business capable of considerable increase; price £350, value of stock and fixtures.

£450 returns.—**LANC.**—Branch Retail in town of 20,000, with only one qualified man; vendor's other businesses not in same town; good attentive man could double returns; good house, rent and taxes £27; price £250.

£1,300 returns.—**LIVERPOOL.**—First-class Retail and Dispensing, at good prices; shop large and handsomely fitted; excellent residence with garden, lawn, conservatory, &c.; returns £900; and Branch of similar class returning £400; price for the two £900.

£600 returns.—**BERKS.**—Good-class Light Retail in pretty locality; good house, yard, and garden; there is also appointment, besides the returns given, producing £100 per annum; price £600.

£1,100 returns.—**MIDLANDS.**—Good-class Retail, fair Dispensing, and own specialities, in good market and manufacturing town of about 20,000; price £850.

Vendors of good businesses can be at once supplied with buyers by F. J. BRETT.

VALUATIONS.

F. J. BRETT has been well known for many years throughout England and Wales as a reliable Valuer, and his extensive experience in all branches of the trade renders his services equally valuable to Vendors and Buyers.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**SOUTH COAST.**—First-class Light Retail and Dispensing Business, with a net profit of £700 yearly; large convenient house, low rent; handsomely fitted; exceptionally good position; price £2,200.

2.—**HAMPSHIRE.**—Good-class Family and Dispensing Business; returns over £1,000; profits £500; handsome double-fronted shop, heavily stocked; convenient 10-roomed house; price £900.

3.—**DEVON COAST.**—Light Retail and Dispensing Business; returns £1,000; handsome shop in exceptionally good position; well fitted and stocked; same hands 20 years; price £550.

4.—**BUCKS.**—Retail and Prescribing Business, under management; returns £5 weekly; rent £22 on lease; let off £18 to Dentist; shop is well fitted and stocked; price £150, or valuation.

5.—**SOUTH COAST.**—Retail, Dispensing, and Prescribing Business; returns £700; excellent position; good house, main road; exceptional reasons for leaving; price £350, or valuation.

6.—**HOME COUNTY.**—Light Retail, Dispensing, and Prescribing Business; returns £1,200; net profit £450; rent low; well situated in principal thoroughfare; rent £45; price £900.

7.—**NORFOLK COAST.**—Light Retail and Dispensing Business; returns £720, capable of increase; good house, low rent; excellent position; price £550, or valuation.

8.—**SOUTH WALES.**—Light Retail and Prescribing Business; returns £1,000; net profit £400; large well-fitted shop, good house; trial allowed; price £750, or reasonable offer.

9.—**YORKSHIRE.**—Branch Business, with Post-office; Light Retail and Prescribing trade; returns £400 under management, principal would do £600; shop is well fitted and stocked; price £300.

10.—**LONDON, S.W.**—Good-class Light Retail and Dispensing Business; handsome double-fronted corner shop, heavily stocked; returns £1,300; over 3,000 prescriptions dispensed yearly; price £950.

Particulars of any of the above and others free on application.

NOTICE.

Gentlemen doing business through Messrs. Berdoe have the advantage of their 27 years' experience, during which time they have been solely engaged in selling and valuing Chemists' Businesses. All valuations personally conducted.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

JUDD & MANNERS

Chemists' Valuers, Transfer Agents, & Accountants,

76 CANNON STREET, LONDON, E.C.

VALUATIONS made for Probate or Transfer by a fully qualified member of the firm. Books Audited, Balance Sheets Prepared and Chartered Accountants' Certificate given. Terms (moderate) on application.

GLOUCESTERSHIRE.—An old-established Country trade in centre of a busy market town, doing about £700 a year, for immediate disposal; the net profit is about £300; price £675.

MIDDLESEX.—Good Retail and Dispensing trade, doing about £1,000 yearly; price £750; good house and handsome pharmacy.

MIDLANDS (South).—A good old Country trade, with first-class residence and nice garden; returns nearly £900; net profit about 33 per cent.; price £750; we strongly recommend this as a sound investment.

ESSEX.—Light Retail and Prescribing trade, to which Dentistry might be added with advantage; returns £950; price £800; first-rate house.

Full particulars of any of the above sent free on application.

VALUATIONS A SPECIALITY.

FERGUSON & OSBORNE

PHARMACEUTICAL CHEMISTS,

CHEMISTS' VALUERS AND TRANSFER AGENTS.

25 YEARS' PRACTICAL EXPERIENCE

NO CHARGE TO PURCHASERS.

All VALUATIONS and STOCKTAKINGS are conducted personally by the Principals. Terms on application.

1.—**SEASIDE.**—Family Retail, Dispensing, &c.; double front, mahogany fittings; good residence and position; net profit £200; price £525.

2.—**INVERNESS.**—First-class Retail and Dispensing Business in a leading town, central position; old-established; valuable connection at full prices; net profit over £300; vendor retiring; particulars on application.

3.—**JERSEY.**—Through illness of proprietor; Family and Dispensing Business; shop well fitted and stocked; in leading position; returns £730; price and particulars on application.

4.—**BIRMINGHAM.**—Modern Retail; returns about £950; price £600, or valuation.

5.—**LONDON.**—Handsomely-fitted, corner position; price £120.

Particulars on application.

56 CHEAPSIDE, LONDON, E.C.

(Next Door to Bow Church.)

THOMAS TOMLINSON & SON,

M.P.S.,

Chemists' Transfer Agents and Valuers,

9 NEW CANNON STREET, MANCHESTER.

44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detail.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bonâ-fide buyers without publicity and the annoyance of answering "curiosity" applications. **No charge made unless Sale is effected.**

BUSINESSES FOR DISPOSAL of various classes and amounts of returns ranging from £200 to £4,000. Particulars given to bonâ-fide applicants stating outline of requirements.

Have constant inquiries for REGISTERED ASSISTANTS. Applicants introduced free.

NO CHARGE TO PURCHASERS

Telegraphic Address—"TOMTOM."

SALES BY AUCTION.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

MID-DERBYSHIRE.

MESSRS. WATSONS will sell by Auction, on Wednesday, June 30, 1897, at Miners' Arms Inn, South Normanton, near Alfreton, commodious Freehold House and Shop; best position in main thoroughfares of above rapidly-rising town, well fitted, large yard and out-buildings, where for past ten years good Mixed Country Drug Business has been conducted; good opening for Aërated Water Manufactory and General Bottling Business; local Post Office attached, and Wine and Spirit Off. For particulars and to view apply, W. Farnsworth, Chemist, South Normanton, near Alfreton.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

BEDFORDSHIRE.—A good-class Family Retail, Dispensing, and Prescribing Business; best position in good market town; returns about £900; net profit £300; well-fitted shop, heavily stocked; good house; large productive garden; price £750. "Vinum" (163/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CORNWALL.—£1,000.—In one of the best business towns in Cornwall; established 70 years; large Consulting and Prescribing Chemist's Business, with Dentistry; good Retail; well stocked; capital house and shop, long lease; full working order; valuable proprietary articles; fortune for good business man; no agents; £500 down, £500 in 5 years at 3½ per cent. Sampson Taylor Rowe, Surgeon Dentist and Chemist, Redruth, Cornwall.

DERBYSHIRE (Rapidly-rising Market and Manufacturing town, centrally situated).—Old-established Mixed Business, capable of great increase in the hands of an energetic man; rent £54; returns £800; price, value of stock, &c., about £500. Address, "Houestus," Evans, Sons & Co., Liverpool.

LANCASHIRE.—Drug Business; no opposition; stock and fixtures good; price £120; rent 7*s.* 6*d.* A. B., Messrs. Bleasdale & Co., York.

LANCASHIRE.—Small Drug Business; population 5,000; no opposition; price £50. X. B., Messrs. Bleasdale & Co., York.

LANCASHIRE HEALTH-RESORT.—Small Dispensing and select Retail Business for disposal, in central position of main street; offers scope for development on modern lines. "Nemo" (162/39), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LAXEY, ISLE OF MAN.—Business lately carried on by Mr. William Fergusson; good stock; seaside mining village, with resident population in village and district of 3,000; season visitors increasing yearly; only shop in district; 7 miles from Douglas by electric railway. Full particulars from Mr. J. T. Cowin, Glen, Laxey; Mr. J. C. Caine, Moany Quill, Lonan; or the Assistant in charge.

LEEK (North Staffordshire).—Good-class Light Retail and Dispensing; very handsomely fitted and well stocked; premises may be purchased with the business. Apply, W. R. Wright, Chemist, Sbirley Buildings, Leek, Staffordshire.

LIVERPOOL (Residential Suburb of).—Very profitable Dispensing Business; returns for the last few years exceed £1,000, with nearly 3,000 fresh prescriptions per annum; increasing neighbourhood; rent very low, and general expenses light; proprietor having accepted partnership in commercial firm sole reason for disposing; gross profits £500 to £600. 149/7, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON.—A good-class old-established Business, in good West End thoroughfare; returns nearly £1,000; good house, long lease; particulars to bonâ-fide purchasers only. 161/36, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON, N.—Genuine high-class Business in the North of London; handsome shop with commanding position in main road; heavily stocked; steadily increasing; good-class neighbourhood; elegant house with side entrance; handsomely-decorated; bath-room, drawing and dining room, morning-room, 3 bed-rooms, &c., and back servants' entrance; lease 19 years; rent £80; receipts over £1,450 at full prices; principally under management; last quarter £333 10*s.*; good selling Specialities; valuable Appointment and Agencies; net profit, after paying all expenses, over £400 per annum; lowest cash price £1,250 inclusive; no agents need apply; further particulars sent; references required. Apply, "Xerces" (163/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON, S.W.—In a rapidly rising neighbourhood, Light Retail, Prescribing, and Dispensing Business, including profitable proprietary; also Dental connection; established 25 years; returns (increasing) nearly £500 a year; rent £30; to be disposed of immediately on account of ill-health; price £350, or reasonable offer accepted. "Measam" (161/31), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANCHESTER.—A small Business in Rochdale Road; Light Retail and Prescribing. Apply, C. G. Breadner, Chemist, Cheetham.

MIDLANDS.—A Light Retail, Dispensing, and Prescribing Business in the principal thoroughfare of a rapidly-improving town in the Midlands; very convenient house, with private entrance; excellent premises; shop well fitted and stocked. Full particulars to bonâ-fide buyers from "Genuine" (163/16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SURREY.—Light Retail, Dispensing, and Prescribing Business, in large village, without opposition; large shop, well fitted and stocked; 8 rooms, fair-size garden, stable, &c.; rent £30; returns £560; net profit £200; price £375; cause of sale taken partnership. 163/12, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SURREY.—Grand opportunity for business man; Surrey; going through ill-health; successfully carried on for 60 years by late firm; best stand; low rent; large garden; beautiful scenery; health resort; good profits; well filled and stocked; lease; price £425. Full particulars apply "Biceps" (158/32), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE.—For Disposal, old-established Chemist's Business; owner retiring; in present hands since 1851, and previous proprietor's 25 years; situate in the busiest thoroughfare of the Borough; frontage over 18 feet; depth above 90 feet; lease may be had; several valuable specialities; incoming reduced to under £250. Robinson, Dewsbury.

BUSINESS for Sale.—In a thriving Tyneside town, an old-established Business, with Gilbey's agency; capable of much increase; proprietor retiring; returns £1,200; price £800; rent £100; premises belong to owner; a good investment for an energetic man. Apply, in first instance, to Mr. Duncan, c/o Messrs. Ismay & Sons, Wholesale Druggists, Newcastle-on-Tyne.

CHEMIST'S Business for Sale; established 1880; Prescribing and Light Retail; returns £5 10*s.* weekly; rent £33; good house, side entrance, 6 rooms; good prescribing neighbourhood, formerly open surgery; price about £55 for stock, &c.; fixtures belong to landlord; lease; stamp for particulars. "Prescriber" (163/27), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PARTNERSHIPS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

WANTED, Partner with about £400 in established Veterinary Medicine business; exceptional opportunity; every investigation allowed. 162/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

APPRENTICESHIPS.

LONDON.—Wanted, Apprentice, also Junior Assistant, in large up-to-date Pharmacy; close Thursdays; no Sunday trade; superior home; references to former pupils, &c. Address, J. E., Rectory Lodge, 40 Rectory Road, Stoke Newington, N.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

RETAIL.

ABERDARE.—Wanted, a Junior Assistant, for Mixed business; must be able to speak Welsh. Apply, with usual particulars, to W. J. Thomas, Chemist, Aberdare.

ALDERSHOT.—Junior Assistant for Light Retail and Dispensing Business. State age, height, experience, salary required, and give references, J. Williams, Victoria Road, Aldershot.

ALDERSHOT.—Improver in good-class business. State age, height, salary, enclosing carte, Allen & Lloyd, Aldershot.

BEDFORD.—Assistant, accustomed to good-class Retail and Dispensing business. Apply, stating height, age, salary required, and when disengaged, to John Ekins, Chemist, 97 High Street, Bedford.

BICESTER.—Wanted, by July 8, an Assistant, with good knowledge of Dispensing and General Retail. Apply, with full particulars, stating age, height, qualifications, salary required, and references, to J. Bates, Chemist, Bicester, Oxon.

BIRMINGHAM.—Assistant, about 20 or 21, wanted at once for General Retail and Dispensing business; must be good Counterman and Dispenser. Apply, with full particulars, age, height, references, and salary required, and send photo, Smith, Pharmaceutical Chemist, Handsworth, Birmingham.

BLACKPOOL.—Wanted, at once, a gentlemanly Assistant; qualified; neat Dispenser and good Counterman. Apply, with particulars and photo, to Wilkinson, Chemist, Blackpool. Applications not answered in three days respectfully declined.

SITUATIONS OPEN—*cont.*

RETAIL—continued.

BOULOGNE-SUR-MER.—Wanted, for July, August, and September, a competent Assistant, accustomed to good-class business; fair knowledge of French language and Pharmacy essential; outdoors. Send full usual particulars, salary required, and photo, &c., to Pharmacie Dutertre, Boulogne-sur-Mer, France.

BRIGHTON.—Wanted, a qualified Senior Assistant. Apply, with full particulars, to Glaisyer & Kemp, Brighton.

BRISTOL.—Immediately, smart qualified Assistant, accustomed to brisk Retail; liberal salary to suitable man. Apply, with usual particulars, and enclose photo, to Henry Hodder & Co., Limited, Broad Street, Bristol.

CAPE TOWN.—Assistant required, immediately, of good experience, holding Minor qualification; neat and accurate Dispenser; must write a good legible hand; aged about 25; North Countryman preferred; salary, first year £120 per annum, second year £132, third year £144; sleeping accommodation provided; second-class passage paid out, conditional on a three years' agreement being signed; candidates must hold undeniable references. Address, "Cape," c/o Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

CARDIFF.—Branch Manager wanted; expert Tooth-extractor especially wanted; a pushing Counterman will be liberally treated; married man to live on the premises; weekly half-holiday; no Sunday duty. Full particulars, with photo, to A. Hagon, Chemist, 11 Bute Street, Cardiff.

DERBY.—Wanted, qualified Chemist to replace manager being promoted to another branch; must be thoroughly well up in the business and active; not over 30 years of age. Send particulars of references, age, and salary required (outdoors), to Jesse Boot, Nottingham.

EXETER.—Assistant wanted in a first-class Dispensing and Retail Pharmacy; must be neat and accurate Dispenser and good Counterman. Apply, stating age, height, reference, salary required, and enclose photo, Milton & Son, Pharmaceutical Chemists, 265 High Street, Exeter.

GLASGOW.—Wanted, qualified Assistant for good-class Dispensing and Retail; hours 9 A.M. till 7 P.M., Saturdays 10 P.M.; no Sunday duty; abstainer preferred. Apply, with copies of testimonials, stating salary required, to Francis Spite & Co. (Limited), Glasgow.

HASTINGS.—For 3 months, Junior to assist at Dispensing counter and put up Proprietaries; average 10 hours daily. Send all particulars to "Ajax" (158/23), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

HEREFORD.—Indoor; wanted, immediately, thoroughly reliable Junior; quick, good Counterman and Dispenser. Send photo (to be returned) and full particulars to Edwin Guy, Chemist, Hereford.

INDIA.—Chemist Assistant required for India; good references indispensable. Apply, Craig, Baldry & Co., East India Merchants, 17 Coleman Street, London.

KENT.—A trustworthy and reliable Assistant (single) is required for a Family and Dispensing business in a quiet town in Kent; short hours; no Sunday duty; good references indispensable. Apply, personally only (no letters), to W. W. Flood & Co., 206 & 208 Borough High Street, S.E.

KING'S LYNN.—Wanted, at once, a Junior Assistant for 3 or 4 months; indoors. Apply, with full particulars, stating salary required, age, and reference, to Neale, c/o Allen & Neale, King's Lynn.

KINGSTON-ON-THAMES.—Middle of July, qualified Assistant, capable of taking charge; also good Junior, to work with proprietor. William E. Clarke, Chemist, Kingston-on-Thames.

KNUTSFORD.—Married Assistant to live on the premises, without family, steady and reliable, with good address, for a Mixed Country business; liberal terms to a good all-round man; state age, height, and salary. Apply, enclosing photo and references, to P. H. & W. Jackson, King Street, Knutsford.

LEAMINGTON.—Assistant for front Counter; indoors. State age, experience, &c., to County Drug Stores, Leamington.

LLANDUDNO.—Wanted, a qualified Assistant for 3 or 4 months. Apply, J. Burton, Chemist, Llandudno.

LLANDUDNO.—At once, qualified Assistant (outdoors). Apply, with full particulars, enclosing photo, to J. Winter, Llandudno.

LONDON, S.W.—Wanted, an Assistant of good address, used to good-class business. Apply, W. Bowden, Store Chemist, Wimbledon.

LONDON.—Wanted, youth about 18, for work in Laboratory. Apply, Knowles & Phillips, 47 Minories, E.

LONDON, W.—£200 a year for a smart, intelligent, business-like man, with experience; capable of taking management and control of staff in a large West-end business. Wanted, also, Junior Dispenser; personal interview absolutely necessary, between 3 and 4 P.M. S. F. Goss (Limited), 201 Regent Street W.

LONDON, W.—For the beginning of July, a qualified, gentlemanly Assistant, who has had first-class Dispensing experience, about 25 years of age. Apply, personally if possible, to C. T. Howse, 5 Bathurst Street, Sussex Square, W.

LONDON, N.—Manager or Assistant for a Branch (London suburb, N.); preference for a good Tooth-extractor; aged about 30; single; salary 35*s.* a week, with furnished apartments; no board or attendance. Forward photo, age, height, with whom and how long in last engagement, or personal application 12 to 1 or 4 to 5, to Morris, Chemist, Seven Sisters, Tottenham, London, N. (close to Great Eastern Railway Station).

LONDON, N.—Junior Assistant (indoors) for brisk Retail. Letters, in the first instance, with full particulars, references, with photo (to be returned) if practicable, addressed B. (162/33), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON (Suburban).—Junior wanted for Suburban Store Trade; must be quick Salesman, and of good address; no Sunday duty, and half holiday weekly; salary £60 (outdoors); also Lad or Girl experienced in the Bottling and Capping of Proprietary Goods. Apply, X. (149/67), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON.—July 6.—Wanted Junior, about 20 years of age, indoors, for quick Retail; hours 8 A.M. to 10 P.M.; one afternoon and evening off at 2 P.M. Interview desirable, but if not convenient please send photo and full particulars to W. Wilkinson, 166 North End Road, West Kensington.

LONDON, W.—Junior, in Dispensing business; indoors. Apply, with usual particulars, to M. Eglington, 35 Richmond Road, Addison Park.

LYME REGIS.—Wanted, Junior Assistant; indoors. Apply, stating age, height, creed, salary required, and full particulars, with photo (to be returned), to G. Henley, Chemist and Druggist, Lyme Regis, Dorset.

MARGATE.—Advanced Junior, at once; permanency. Particulars of experience, age, height, &c., to W. S. Harvey, The Central Pharmacy, Margate.

MIDLANDS.—Wanted, a qualified Assistant, about 26; one accustomed to good Dispensing, with knowledge of Agricultural work. Send particulars as to height, salary required, outdoors, &c., to 160/12, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NOTTINGHAM.—Wanted experienced (qualified preferred) man (outdoor), to assist principal and supervise Branch businesses; good salary, eventual partnership, and easy succession to a good, honest man; Liverpool experience preferred. Also Junior (outdoor). State age, salary, previous experience, and references, Hulme, Chemist, Nottingham.

OAKHAM.—Wanted, trustworthy, permanent Assistant; indoors; accurate Dispenser and good Counterman; qualified preferred. Apply, stating age, height, salary required, and full particulars, with photo, to J. Wellington, Chemist, Oakham.

PARIS.—English Assistant required, speaking French fluently, and having first-class experience. E. Logeais, 37 Avenue Marceau, Paris.

PETERBOROUGH.—A competent Assistant, well used to a Mixed Country Retail business; qualification not essential. Apply, with full particulars, and stating salary required, to Arthur Carlton, Chemist, Peterborough.

PONTEFRACT.—Wanted, smart, active Junior (outdoors), for pushing Retail; used to Store trade; must be good Dispenser and Prescriber. Address, stating age, experience, references, and salary, W. Bratley, Chemist, Pontefract.

ROSS-ON-WYE.—Assistant, accustomed to Family, Retail, and Dispensing business, required at once; indoors. Apply, giving reference, age, and salary required, enclosing photo (to be returned), to A. Porter, 13 High Street, Ross.

SEACOMBE.—Wanted, a Junior Improver, about 18, in a Light Retail and Dispensing business; time allowed for recreation and attending Liverpool School of Pharmacy. Apply, stating age, height, and salary expected, with reference, also photo, to Hinkley, Seacombe, Liverpool.

SHEERNESS.—Assistant.—Wanted, during the holidays, a well-conducted young man, from 20 to 30, for very light duty; one wishing for a few weeks at the sea-side would be entertained. Send all particulars, with applications, to D. Prosser, Sheerness.

SOUTH AFRICA.—Wanted, for a Colonial seaport town, Assistant, not over 30; Minor qualification; 3 years' engagement; passage paid out; salary £150, £165, and £180 respectively. Apply, with full particulars, enclosing photo and copy of testimonials, to "South Africa" (129/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH MIDLANDS.—Wanted, Junior Assistant in town in South Midlands; abstainer. Address, B., c/o Messrs. W. Edwards & Son, 157 Queen Victoria Street, London, E.C.

SOUTHAMPTON.—Turnover or Improver wanted; indoors; one used to Country business preferred. State age, height, experience, salary required, with photo, to Baxter, 160 High Street, Southampton.

STAFFORD.—Wanted, a Junior Assistant for good-class Mixed Retail. State age, height, and salary required (outdoors), enclose references and photo, Marson & Son, Stafford.

SUTTON.—Wanted, a good useful Junior, about 21, indoors; an Improver might do. Address, Utton Blyth, 21 High Street, Sutton, Surrey.

WIMBLEDON.—Wanted, for a permanency, a qualified Assistant, 23 to 30, for good-class business. Apply, stating age, height, salary required (indoors or outdoors), experience, &c., to H. Knight, 103 High Street, Wandsworth, London, S.W.

WOLVERHAMPTON.—Qualified Assistant for quick trade; outdoors; no Sunday duty; weekly half-day holiday. State salary, age, references, and full particulars, with photo, if possible (will return same), to The Stores, 26 Queen Street, Wolverhampton.

M. BEETHAM & SON, Cheltenham, require a thoroughly qualified Dispenser; must have been used to first-class business and be well recommended. Apply as above, stating references, age, and salary required (indoors), and enclose carte, which will be returned.

OUTDOOR Senior Assistant wanted; must be qualified, energetic, and a good salesman; to a suitable man a prospect of Partnership exists. Apply, "West-end" (149/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ROYAL SURREY COUNTY HOSPITAL, GUILDFORD.—£100 (outdoors).—Dispenser (qualified) wanted, at once, for the above institution; must be well up in Dispensing and Manufacturing, and give his whole time to the duties. Apply, with full particulars and copies of not more than three recent testimonials, to J. Findlay.

WANTED, immediately, an energetic and trustworthy Assistant to travel 3 or 4 days a week, remainder of time indoors; experience in Oils, Drysaltery, &c., essential; indoors. References, salary, and photo, and full particulars, 160/19, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

LONDON, N.—Traveller, with experience, to represent Essential Oil Distillers, and also sundry Wholesale Perfume Manufacturers, for districts north of London; salary and commission. Full particulars, which will be considered in strict confidence, to E. (162/4), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON.—Wanted, an experienced General Warehouseman for a Manufacturing Wholesale Druggist; must be capable and business-like. Apply, 149/59, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON.—Wanted, as Representative, by a firm of Manufacturing Chemists, a gentleman well up in Pharmacy, and with a good Retail experience; energetic young man, seeking a permanency, will find this a good opening. Apply, in first instance, to "Manufacturer" (163/40), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

HEALTH SALT, containing Lime, Fruit and Sulphur; an exceeding cheap and saleable Saline: ¼-lb. tins; a liberal commission is offered to Travellers desirous of adding this agency. The Paradox Pharmacy, Oldham.

LABORATORY.—Wanted, a man who has had experience in the manufacture of Extracts, Infusions, &c., to superintend their preparation on a large scale. Apply, by letter, T. F., c/o Harmer & Harley, Coleman Street, E.C.

PERFUMERY and Toilet Soap.—Country Traveller wanted for West of England and South Coast ground by old-established house; preference given to a man of experience in the trade. Apply, giving full particulars of present and past employment, to "Ajax" (148/53), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

LOCUM-TENENS; qualified; town or country. C. M., 347 Green Lanes, N.

JUNIOR; tall; 20; 4 years' first-class experience. "Salol," 4 Norfolk Road, Merton.

AS Improver; aged 19; height 5 ft. 5 in. Address, "Rhei," 14 St. Aldate's, Oxford.

MANAGER or Locum; Prescriber. 43 Bennett Street, Newton Heath, Manchester.

GOOD all-round quick trade (in or out), or as Locum; 44. D., Pearce's, Chemist, Edmonton.

ASSISTANT, speaking French and German. "Delta," 27 Manor Road, Brockley, S.E.

QUALIFIED; 36; outdoors; 5 ft. 8½ in. "Chemicus," 80 Ormond Street, O.-on-M., Manchester.

MANAGER; qualified; 29; good experience. H. C., 1 Elm Park Terrace, Fulham Road, S.W.

LOCUM; after June 30; abstainer; 29; experienced; Major. Williams, c/o Barrat, Chemist, Sevenoaks.

JUNIOR; 20; nearly 5 years' with Sergeant, Nottingham. Ernest Chambers, Watnall, Nottingham.

LOCUM-TENENS; 16 years' good experience; disengaged. "Chemicus," Dunford House, Weymouth.

JUNIOR; 19; tall; 4 years' experience; disengaged beginning of July. Murless, Wotton-under-Edge.

IMPROVER or Junior; 3½ years' experience. Smith, 5 Barningham Street, Corporation Road, Darlington.

ASSISTANT or Dispenser; qualified; married; 29; disengaged. "Chemist," 52 Gt. Dover Street, S.E.

ASSISTANT; competent, willing, and up-to-date. "Basilicon," 28 Glebe Place, King's Road, Chelsea.

LOCUM; disengaged; aged 29; good Extractor and Prescriber. 17 Strickland Street, St. John's, S.E.

ASSISTANT; 25; London experience; disengaged July 10. D. J. Evans, 18 Stepney Street, Llanelly.

ASSISTANT: 23; disengaged; 7 years' experience; London preferred. D. H., 24 Parson's Mead, Croydon.

LOCUM-TENENS; qualified; large experience; disengaged. "Pharmacy," 1 Dorntou Road, Balham, S.W.

ASSISTANT; 22; 4 years' experience; disengaged July. "Congregationalist," 30 High Street, East Grinstead.

PART-TIME; Chemist or Surgeon; outdoors; London; unqualified. "Helium," 3 Doddington Grove, Kennington.

BRANCH Manager; registered Tooth-extractor, Prescriber; first-class testimonials. Day, Hoveringham, Notts.

LOCUM-TENENS or Part-time work in London; Major. Address, B., c/o Messrs. Barray, 17 Farringdon Street, E.C.

PART-TIME Assistant; outdoors; experienced; 24; 5 ft. 9 in.; salary no object. Western, 53 Stacey Road, Cardiff.

AS Manager or otherwise; London preferred; 28; qualified. "Extractor," 16 Courtnell Street, Westbourne Grove, W.

IMPROVER requires counter-experience. "Aqua" (162/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MORNING and afternoon engagement wanted; engaged in the evening in the East. H. Bedding, 290 Hackney Road, N.E.

ASSISTANT or Branch Manager; 28; unqualified; married; Extractor and Prescriber. M., 71 Tontine Street, Folkestone.

DISPENSER (Evening).—Guy's man wishes permanency; highest references; with Doctor 3 years. 89 Falmouth Road, S.E.

MANAGER, Locum, &c.; disengaged; qualified; London and country experience. W., 7 St. Mary Street, Kensington.

SITUATIONS WANTED—*cont.*

RETAIL—continued.

MANAGER (Branch) or Assistant; Extractor; 45; qualified; married. "Chemicus, 43 Leamingtou Terrace, Tong Road, Leeds.

LOCUM-TENENS; 28; well recommended; thoroughly experienced. Permanent address, "Locum," 3 Clifton Grove, Erdington, Birmingham.

PERMANENCY; 8 years' good all-round quick trade; 22; highest references; unqualified; outdoor. A. Singleton, 5 Nortbgate, Lincoln.

MANAGER; 39; single; qualified; experienced; good references; disengaged; towu or country. "Statim," 78 Wells Street, Oxford Street, W.

LOCUM.—F. G. Shrimpton, Grove Street, Oxford, is open to engagements with Chemists, Surgeons, or Institutions; qualified; first-class references.

MANAGER; qualified; 10 years' London experience. "Drugs" (163/15), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER to Chemist; Minor; abstainer; 24; outdoors; disengaged. 163/55, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

KENT.—35*s.* weekly; outdoors; a good all-round man; varied experience; aged 36; Extractor; unqualified. "Alpha," c/o 35 Milton Road, Sittingbourne.

ASSISTANT or Dispenser; Apothecaries' Hall qualification; abstainer; 6 years' experience; disengaged July 20. Saunders, Copford, Colchester.

LOCUM-TENENS: 30; first-class references; terms moderate. "Liverpudlian" (159/39), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON or large town; Junior; 21; 5 years in good-class Dispensing and Retail; time for study; references. Address, "Cortex," 17 Exchange Street, Sheffield.

JUNIOR: 21; 5 ft. 8 in.; 6 years' experience in Dispensing, Counter, Extracting, also Shipping; disengaged. "Cascara," 10 Railway Street, Splotlands, Cardiff.

BRANCH Manager or Senior Assistant; aged 30; Londou and provincial experience. "Quinine" (158/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DENTIST.—Wanted, thorough instruction iu Operative and Mechanical Dentistry, all branches. State full particulars and lowest inclusive terms to "Dental," 7 Middleton Road, New Wandsworth, S.W.

MANAGER, on premises; unqualified; married; Extractor, Prescriber; town or country; aged 29. "Photography" (163/37), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED; 20 years' experience; good references (family); or as Dispenser to a firm of Surgeons or Hospital, Managersbip for widow, or other suitable position. "Alpha," 26 High Street, Abergavenny.

ASSISTANT; unqualified; married; 28; 12 years' experience, 9 years in present situation; excellent references. Apply, "Ferrum" (158/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

STUDENT, 26, desires Part-time berth as Dispenser to Doctor or Chemist, in London; experienced; excellent references; abstainer. "Med." (162/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.

WHOLESALE.

YOUNG Man as Laboratory hand; experienced. Bennett, 22 G Block, Peabody Square, N.

AS Traveller; young: good address; highly recommended. "Energy," 42 Narcissus Road, N.W.

TRAVELLER.—Engagement with good house desired. Letters to W., 3 Clifton Grove, Erdington, Birmingbam.

TRAVELLER; good Drug Hoise; London, Suburbs; will interview at any time. "Phenazonum," 29 Ifield Road, S.W.

TRAVELLER (Sundries) to Represent firm or good commissions. F., c/o Oliver, 14 Arlesford Road, Stockwell, London, S.W.

PRACTICAL Pharmacist desires engagement; Laboratory, travel, or botb; knowledge French pharmacy. Edwards, 44 Wood Vale, S.E.

TRAVELLER; good connection amongst Chemists in Lancashire aud Yorksbire and most large towns of the United Kingdom; thoroughly steady; well recommended; 20 years' excellent character and experience, botb retail aud travelling; aged 34. Taylor, 13 Barrett Street, Southport.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

SEE Advertisement Pages for a Jubilee Gift of nearly 10 per cent.; one day's orders only. Daisy, Limited, Leeds.

GLYCERINE AND CUCUMBER immediately prepared by using "Crême aux Concombres," which produces a splendid creamy inseparable preparation at the cost of 50 oz. for 1*s.* 6*d.*; send for sample ½ lb., post free, 1*s.* 6*d.* Marshalls (Limited), 27 Red Lion Square.

AGENCY Wanted, for a good selling article in Germany, by pushing young business man witb a few years' experience in America; at present correspondent for a foreign speciality honse. Write to Williams, Postamt 56, Berlin, N.W.

EXPORT TO SWITZERLAND.—An old, first-class, and well-introduced Firm travelling regularly throughout Switzerland are open to undertake Depôts or Sole Agencies for Good Articles suitable for sale by Druggists and Grocers. Apply, "J 2414 Q," c/o Haasenstein & Vogler, Bâle, Switzerland.

OPTICS.—The next regular class will commence on Monday, July 12; fee two guineas; a special correspondence course will start early in July; applications must be received by July 7; fee two guineas, payable in advance; prospectus on application. Lionel Laurance, 227 Oxford Street, London.

CHEMISTS' Shop-fixtures.—Ranges mahogany drawers, with bevelled-edge glass labels and cut glass knobs, sbelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-band; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Mattbews, Chemists Fitter, 14 Manchester Street, Liverpool.

CHEMISTS' Shop-fittings.—Ready for immediate use.—12-ft. mahogany-top counter, plate-glass casing in front, £11 10*s.*; two ditto, 9 ft. 6 in. long each, £18 10*s.* the pair, and quantity of others; plate-glass perfume-case, and counter-desk, 47*s.* 6*d.*; handsome complete wall-fitting, drug-drawers, poison-cupboard, lockers, shelving, &c., 10 ft. long, £12 10*s.*; 14 ft. ditto, £18 10*s.*; and several 12 ft. long and other sizes; and every requisite for complete or partial fitting at especially low prices; bottles, mug. jars wall-cases, counter-cases, &c., &c. Philip Josephs, Sbop Fitter, 54 Old Street, City Road, London, E.C.

TO be Sold, immediately, high-class Stock of Chemist's Fittings, including elaborate ranges of solid mahogany-fronted drawers, fitted with bevelled-edge labels, crystal-cut knobs, 10 to 20 ft. long; also ranges of sbelving and lockers to match; 20 plate-glass fronted counters, mahogany tops, the backs fitted with numerous drawers, including cash, label drawers, &c.; solid mahogany wall-cases with movable shelves, 6 ft. to 20 ft. long; immense stock of window-enclosures, bent-glass show-cases, sponge-cases, massive dispensing-screens, from 70*s.* upwards, and everytbing appertaining to tbe Chemist's business. Shops, &c., fitted up entirely within a fortnight's notice, from £50 upwards, by most experienced men. Write for testimonials, Edwards & Co., Medical Fitters, 108 Whitechapel, Liverpool.

CUCUMBER AND GLYCERINE.

ROUSE'S Cucumber Paste is tbe best for preparing Cucumber Emulsion. Formulæ and labels free with each jar; ½ lb. (for 3 lbs. emulsiou), 2*s.* 3*d.*; 1 lb., 4*s.* 3*d.*; 7 lbs., 25*s*, post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

STIRLING'S "MINOR" AIDS.

Tabulated Materia Medica, B.P., 1885-90, and Non-Official. 2nd Edition Much time and laborious study saved by the use of these Tables. 1*s.* 6*d.*
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Guaranteed absolutely Pure Water-white, and Green, of Best existing Purity and Concentration. Described in "*The Chemist and Druggist*," page 183, January 30, 1897.

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"THE CHEMIST & DRUGGIST"

For JUNE 26, 1897.

SUMMARY OF CONTENTS.

THIS number concludes our fiftieth volume (p. 1000).

AN ode to Dr. Koch is appended to a cartoon printed on p. 1007.

WE conclude our notes on the drug-trade of the Victorian era (p. 995).

IN our correspondence columns are several notes regarding the London wholesale drug-trade prior to 1837 (p. 1011).

WE report briefly upon the pharmaceutical exhibits in the Royal Agricultural Show now being held in Manchester (p. 994).

AN interpretation of "shipment to France" in an ammonia-alkalis contract by Mr. Justice Kennedy shows that reshipment to England is not prevented (p. 1005).

AT the meeting of the Chemical Society last week Professor Norman Collie submitted an ingenious model for expressing the benzine formula in an intelligible manner, and to exhibit changes effected in the molecule; other interesting papers were communicated (p. 993).

MR. ALFRED HERBERT SQUIRE, of Squire & Sons, chemists to the Queen, died suddenly last week of pneumonia, and Mr. F. M. Remington, pharmaceutical chemist and public analyst for Bradford, died at a ripe old age at his residence there. Mr. Remington was an ex-councillor of the Pharmaceutical Society, and had done excellent work in pharmaceutical research (p. 991).

ON the occasion of the Jubilee the Queen has conferred a baronetcy on Colonel David Gamble, of St. Helens; also upon Sir William MacCormac, Mr. Thomas Smith, F.R.C.S., and Dr. Samuel Wilks. A knighthood is conferred upon Mr. William Crookes, and the K.C.B. is given to Dr. Richard Thorne-Thorne and Dr. Edward Frankland; and Professor Norman Lockyer and Dr. G. F. Duffey, Inspector of the Irish Pharmaceutical Examinations, also receive a knighthood (p. 1001).

THE new postal rates came into force on Tuesday. See p. 988.

THE present state of the Inter-drug Club cricket contest is put on p. 988.

THEORETICAL chemistry is now a compulsory subject in the Irish pharmaceutical examinations (p. 989).

AN apprentice at Taylor's drug-stores, Bradford, has died after taking two 10 gr. doses of antipyrin (p. 987).

SLY, the Oxford truss man, has been sentenced to eighteen months' imprisonment for fraud in connection with the sale of his truss (p. 988).

E. H. MERRICK, who is the "Distributing Company," advertised a tooth-paste in association with competition prizes' and has been committed for trial on a charge of fraud (p. 987).

MADAME DOUGLAS, one of the advertisers of remedies for female irregularities, has been committed for trial at Exeter on a charge of supplying drugs for procuring abortion (p. 1004).

THE Irish Government Department has agreed to the scheduling of carbolic acid, all oxalates, biniodide of mercury, and all preparations of strychnine (p. 990). We comment upon this important decision on p. 1001.

AN harmonious and hearty meeting of the Ulster druggists and pharmacists was held in Belfast last week, when it was unanimously resolved to invite the British Pharmaceutical Conference to visit that city next year. A large guarantee fund has been secured (p. 992).

THE members of the North British branch of the Pharmaceutical Society held their annual meeting and elected a new executive, the only change upon which is the appointment of Mr. J. Anderson Russell, of Glasgow, in room of Mr. Davidson, of Montrose, who resigns (p. 992).

SUBSCRIPTION ORDER FORM.

Subscriptions may commence from the first issue of any month, but are not entered for less than a full year. Ten Shillings will pay for 52 numbers of the Journal and the Diary next published—*i.e.*, the edition for 1898. Single Copies of the Journal, 4*d.* each; Summer and Winter Issues, 1*s.* each, post free.

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DEPOSIT.—The purchaser of anything advertised in the Exchange Column may remit the amount to us, and we only pay the money deposited on advice from the remitter. We charge a commission of 6*d.* on any transaction of £3 or less, or 1*s.* if above that amount.

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That is to say, it will comprise the entire Drug Trade of the United Kingdom, and will, besides, extend to the whole of the Foreign Circulation of THE CHEMIST AND DRUGGIST.

Take advantage of it by advertising Old and Surplus Stock, which can be turned quickly into cash by this means, and Apparatus, Books, &c., can be disposed of to advantage. The whole Trade reads this page.

BARGAIN NUMBER,

JULY 3, 1897.

Advertisements received by the Publisher, 42 Cannon Street, London, E.C., NOT LATER than THURSDAY, July 1, at 5 p.m.; but send earlier if ou can.

APPARATUS.

Nitrous-oxide gas apparatus, a bargain, NICOL, Chemist, High Street, Edinburgh.

For Sale.—1 Chinnery's patent portable aërated soda-water machine, with bottler attached, 11*l.*; and 1 for chemicals only, 9*l.*; as good as new. Address, 21/40, Office of the *C. & D.*

BOOKS AND PERIODICALS.

For Sale, *The Chemist and Druggist*, 1884, 1885, 1886, 1887, 1890, 1891; what offers? 40/21, Office of the *C & D.*

"**Pharm. Journal,**" day of publication, in exchange for *Chemist and Druggist* on Saturday or Monday. SWINN, Manchester.

DRUGS AND CHEMICALS.

100-oz. unopened tin Whiffen's quinine, 10*d.* net. Address, 163/2, Office of the *C. & D.*

Sale.—20 Winchester tinct. opii B.P., 4¾ lbs. each, 2*s.* 8*d.* lb.; 4 ditto tinct. camph. co., 2*s.* lb.: 12 ditto tinct. scillæ, 1*s.* 10*d.* lb. "CHEMIST," 144 Victoria Street, S.W.

FORMULÆ.

To energetic Chemists.—Book of 20 up to-date recipes for daily use, 2*s* 6*d.*; also excellent furniture-cream, 1*s.* 6*d.*; superior sticky fly-papers, keep moist any length of time, 1*s.* 6*d.*; book and 1 recipe, 3*s.* 6*d.*, lot 4*s.* 6*d.*; satisfaction guaranteed. H. L. ROSE, 4 St. Leonard's Place, Alcester Road, Birmingham.

PROPRIETARY ARTICLES.

Ten doz. 2*s.* Gordon's extract; offers. SPURGEON, 5 Lower Brook Street, Ipswich.

Three doz. 1*s.* 1½*d.* Daisy powders, 24*s.* 6*d.* delivered; cash SLACK, Hill Top, West Bromwich.

MISCELLANEOUS.

Set of 150 Southall's Materia Medica specimens, with key, all in excellent condition, price 15*s.*, cost 50*s.* W. R. HUES, Malvern Pharmacy, Malvern.

WANTED.

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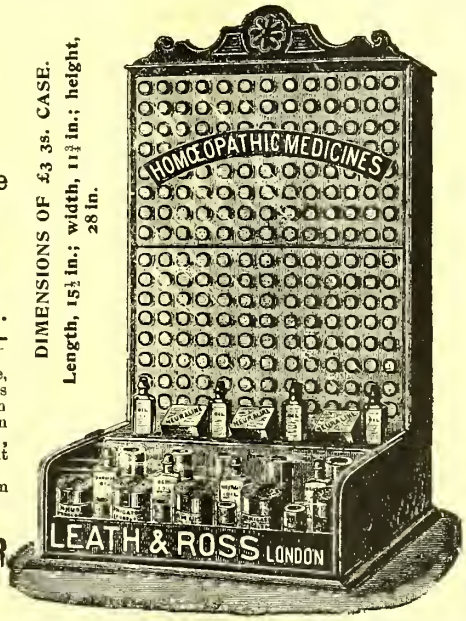

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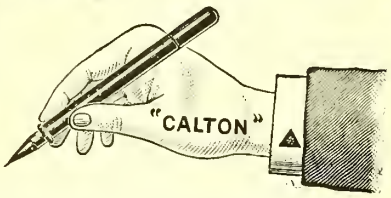

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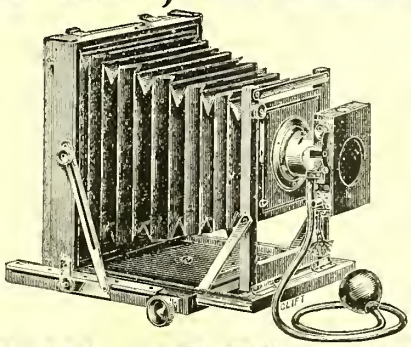

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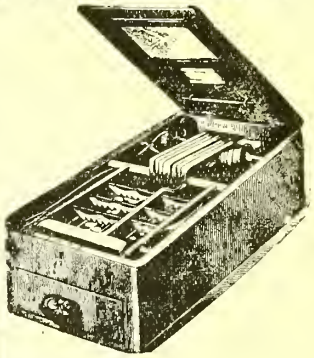

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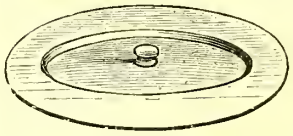

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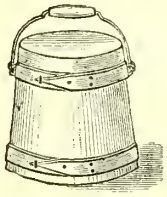

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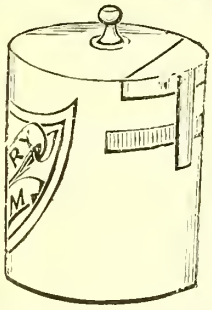

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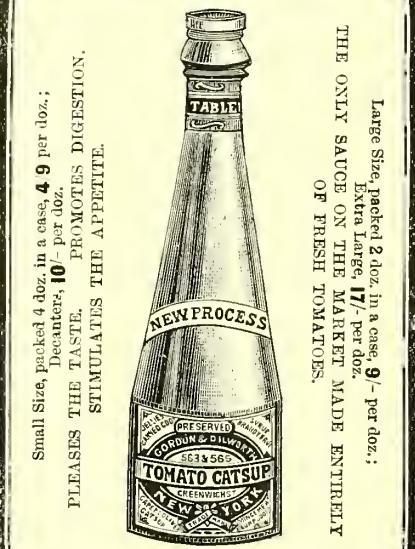

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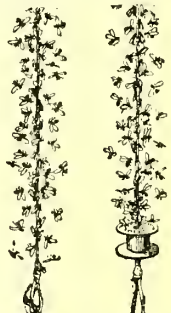

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Cuthbert, R.	78
D. C. L. Malt Extract	59
Daisy (Lim.)	69, 70, 71, 72
Davenport, J. T.	68
Davies, Gibbins & Co.	59
Davis, F.	6
Davy, Hill & Son Yates & Hicks,	60
Day, Son & Hewitt	42
Dee Oil Co. (Lim.)	34
Depilene Co.	21
Diastased Farina Food	26
Dieterich, Eugen	51
Duncan, Flockhart & Co.	62
Dussek Bros.	42
Drane, R.	79
Droege, W., & Co.	79
Edwards & Co.	20
Elberfeld Farbenfabriken Co.	54
Elliman, Sons & Co.	Text 1000
Ellis & Son	Text 1000
English Diastasic Malt Extract Company (Lim.)	80
Evans, Gadd & Co.	65
Evans, Lescher & Webb	64
Exchange Column	Col. Supp.
Farina, J. M.	18
Fentiman, A. G.	78
Fentiman & Co.	79
Ferguson & Osborne	Col. Supp.
Fink, F., & Co.	78
Fitch & Nottingham	6
Flemings Oil Co. (Lim.)	43
Fletcher Bros. & Co.	78
Fletcher, Fletcher & Co.	Text 1000
Fordham, W. B., & Sons (Lim.)	10
Ford, Shapland & Co.	40
Frame Food Co. (Lim.)	29
Fraenkel Bros.	28
Freudentheil & Co.	79
Gardner, W., & Sons	34
Geneva Mineral Water	27
Gibbs, D. & W. (Lim.)	15
Gibson, R., & Sons	37
Gilbertson & Sons	75
Goodall, Backhouse & Co.	16
Gower, J.	Col. Supp.
Guest, T., & Co.	36
Harker, Stagg & Morgan	55
Harrison & Waide	7
Harvey & Co.	38
Harvey, S.	21
Hearn, Wright & Co.	73
Herbuline Co.	78
Hertz & Collingwood	Text 1000
Hillaby, J.	56
Holloway, E. A.	26
Hooper, B., & Co.	63
Horlick & Co.	Text 1000
Houghton, G., & Son	7
Hubbuck & Sons (Lim.)	56
Ickringill's Cloth Syndicate Co.	74
Ingram & Royle (Lim.)	27
Isaacs, I., & Co.	73
Jackson, T.	36
Jakson, J., & Co.	16, 17
Jewel Pen Co.	6
Jewsbury & Brown	14, Text 1000
Jeyes' Sanitary Compound Co. (Lim.)	44
Josephs, C., & Co.	78
Judd & Manners	Coloured Supp.
Kay Bros. (Lim.)	57
Knowles & Phillips	Text 1000
Krohne & Sesemann	76
Kuhlenthal, W.	53
Kydde & Co.	28
Lalor, Dr.	62
Lambert, A., & Co.	76
Leath & Ross	3
Leonhard, T.	40
Liverpool Lint Co.	74
Lockyer, J. E.	7
Lofthouse & Saltmer	67
Lynch & Co. (Lim.)	5
Macfarlan, J. T., & Co.	27
Macfie & Sons	26
Mackey, Mackey & Co.	67
Malcolm & Co.	79
Manchester School	6
Marriott, E., & Co.	75
Maw, S., Son & Thompson	39
May & Baker (Lim.)	Cover
May, Roberts & Co.	Cover
Maypole Soap Co. (Lim.)	21
McKesson & Robbins	45
Millar, A., & Co.	30
Milne, J.	74
Morrison, R., & Co.	65
Moss, J., & Co.	Text 1000
Ness & Co.	78
Nestlé, H.	29
Newball & Mason	32
Newbery, F., & Sons	15
Norrenberg, J., & Co.	62
Northern College of Pharmacy	6
O'Brien, T.	8
Orridge & Co.	Coloured Supplement
Parke, Davis & Co.	55
Patent Stopper Box and Stamp Co. (Lim.)	30
Peacock's Ovaline Soap Co. (Lim.)	14
Pearse & Meeking	28
Phillips, G., & Co.	8
Potter & Clarke	4
Quelch, H., & Co.	46
Raimes & Co.	67
Raimes, Clark, & Co.	57
Ransom & Sons	22
Ray's Medicine Co.	58
Read Holliday & Co.	34
Richards, J. M.	61
Robbins, J., & Co.	62
Roberts & Co.	52
Sanitas Company (Lim.)	Text 1000
Schutze & Co.	21
Scott's, Dr., Pills	58
Scrubb & Co.	22
Seabury & Johnson	77
Seltzogene Patent Charges Co.	27
Sen Sen Co.	65
Singleton & Cole (Lim.)	38
Smith, B. A., & Co.	57
Smith, J. H.	43
Smith, S., & Co. (Lim.)	33
Smith, T. & H.	66
Smith, W. F.	40
Solport Bros.	74
Spratt's Patent	Text 1000
Squire & Sons	6
Steele, J. C., & Co.	56
Stipendum Stopper Co. (Lim.)	30
Stokes, G. R., & Co. (Lim.)	7
Strong, C.	43
Sutton, C., & Co.	15
Thiellay, E. H.	78
Thornton-Pickard Co.	78
Tomlinson & Son	Coloured Supp.
Treble, G., & Sons	6
Tunbridge & Wright	41
Tyrer, P.	35
Tyrer, T., & Co.	60
Vaccine Association (Lim.)	76
Vi-Cocoa (Lim.)	31
Volcanic Aëration Co.	30
Walker, Troke & Co.	79
Wand, S.	79
Warner, W. R., & Co.	13
Warren, A. J.	78
Watson & Wates	79
Werner, Pfleiderer & Perkins (Lim.)	34
White, A., & Sons	60
Willcox, W. H., & Co.	34
Willows, Francis & Butler	56
Willson, S.	42
Wood, V.	74
Wyleys (Lim.)	63
Zimmer & Co.	73
Zimmermann, A. & M.	9

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ACIDS
Boulton, J., & Co., Lim.

ADVERTISING SPECIALITIES
Corsan, J. R. | Harris, J.

AERTD & MINRLS
Apollinaris Co.
Barnett & Foster
Bratby & Hinchliffe, Lim.
Chemists' Aerated Waters Association, Lim.
Ellis & Son (Ruthin)
Geneva Springs (New York)
Hertz & Collingwood
Hunyadi János
Idris & Co., Ld.
Ingram & Royle, Lim.
Kinmond & Co.
Macfarlan, J. F., & Co.
Mills & Co. (Bourne)
Ross, W. A., & Sons, Lim.
Sallyco Water Co.
Seltzogene Patent Charges Co.

AERATED PLANT
(See SYPHONS and ESSENCES)
Barnett & Foster
Bratby & Hinchliffe, Lim.
Tyler, Hayward, & Co.
Volcanic Aeration Co.

AGNCIES ABROAD
Australian Drug Co.
Beynon & Co. | Boissy
Kempthorne, Prosser & Co.
Lennon, G. B., & Co. [(N.Z.)
Peake, Allen & Co.
Smith & Sons
Taylor & Colledge

ALKALOIDS
Howards & Sons (Cinchona)
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

AMMONIA
May & Baker, Lim.
White, A., & Sons
Woolley, Sons & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Woolley, J., Sons & Co.

ASTHMA CURE
Potter & Clarke

BAKING POWDER
Goodall, Backhouse & Co.

BATH & FLESH GLOVES
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

BATH SALTS
Tidman & Son, Lim. (Sea Salt)

BEESWAX
Bowdlear & Co.
Evans, Sons & Co.
Kemp & Son
Leonhard, T.
Luneburger Wachsbleiche

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co., Lim.

BISMUTH PREP.
Hearon, Squire & Francis
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Sons

BOOKS
Squire's "Companion"
Whittaker & Co.

BORAX
Howards & Sons

BOXES
Austin & Co. (Cardboard)
Ayrton & Saunders
Evans, Sons & Co.
Kent, G. B., & Son
Kilner Bros.
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Tinplate Decorating Co.

BOTTLES
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co.
Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
Volcanic Aeration Co.
York Glass Co., Lim.

BRUSHES
Addis & Son (Tooth)
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Boulton, J., & Co., Lim.
Müller & Co.
Tomlinson & Hayward

CACHETS
Christy, T., & Co.
Cooper & Co.
Sangers, J., & Sons

CACHOUS
Bleasdale & Co.
Carmichael, M. W.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co. | Sen-Sen Co.
Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Harker, Stagg & Morgan
Moss, J., & Co.
Parke, Davis & Co.

CAPSULES
Davies, Gibbins & Co.
Droege, Wm., & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

CARBOLIC ACID
Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CASTOR OIL
United British Castor Oil Co., Lim.

CERESINE W AX
Boehm, Fredk.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohns
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Llm.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Howards & Sons (Pharm.)
Kirkpatrick, Barr & Guthrie
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Mose & Co.
Norrenberg & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann A. & M.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

CHEST PROTCTRS
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steele, J. C., & Co,

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

CINCHONA BARK
Graf, F.

COCAINE-HYDRO.
Howards & Sons

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimer & Co.
Stephen Smith & Co., Lim (Hall's)
White, S. B.
Wilcox & Co.

COCOA & CHOCOLT
Cadbury Bros.
Caffyn's Malto-Carnis
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibbles)

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome & Co.
Cnthbert, R.
Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Freudenthill & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthouse & Saltmer
Lorimer & Co.
Moss, J., & Co
Morrison, R., & Co.
Oppenheimer, Son & Co., Lim
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall, Bros. & Barclay
Stevenson, H. E., & Co.
Wright, Layman & Umney

COMP. MEDICINS
Allen & Hanburys
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

CONCENT. LIQRS
Baiss Bros., & Co.
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

CONFECTIONERY
Gibson & Sons
Guest, T., & Co. | Hillaby, J.

CORKS
Ringrose & Cobb

CORN CURES
Beetham & Son
Gardner, C. | Potter & Clarke

COTTON WOOL
Robinson & Sons (Absorbent)

CRSHD LINSEED
Evans, Gadd & Co.
Mumford, G. S.

CYDER
Symons, J., & Co., Lim.

DELIVERY CARTS
Rothschild & Baker

DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Hovenden & Sons
Jewsbury & Brown
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)
Wright, Chas., & Co., Lim.

DENTISTRY
Browning, A. J.
Fentiman, A. G.
Fentiman & Co.

"DIMATOS"
Southall Bros. & Barclay

DISINFECTANTS
Beedzler & Co.
Calvert, F. C., & Co.
Dussek Bros.
Fletcher Bros. & Co.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C. | "Izal"
Jeyes'Sanitary Compounds Co.
Kay Bros., Lim.
Kühn, B. (Chinosol. Kresochline)
Mackey, Mackey & Co.
May & Baker, Lim.
National Chemical Co.
Ness & Co.
Read, Holliday & Co.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tuson's Disinfectants Co., Ld.
Tyrer, T., & Co.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bentley, E., & Son
Bleasdale & Co., Lim.
Dalliley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Moise, B. F., Lim.
Newbery, F., & Sons
Potter & Sacker
Quelch, H. C.
Sanger & Sons | Schutze & Co.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Beynon & Co.
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kuhn, B.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Stevenson, H. E., & Co.

DYES
Ayrton & Saunders
Maypole Soap Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Greiner, G., & Co.
Muhlens, F.
Van Oppen & Co.

ECZEMA
Cullwick's Specialities

EMBROCATIONS
Bow's Liniment
Day & Sons
Ellman, Sons & Co.
Harvey & Co.
Tuson's Disinfectants Co., Ld.

ENEMAS
British-American Ball Nozzle
Evans, Sons & Co. [Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ENGRAVERS
Corsan, J. R.

ESSENCES
Boulton, J., & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Delbanco & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
Todd, A. M.
Tyrer, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spilsbury
Boehm, Fredk.
Bush, W. J., & Co.
Delbanco & Co.
Evans, Sons & Co.
Frankenstein, S. M., & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
Lofthouse & Saltmer
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Raynaud, Claude, & Co.
Sanitas Co., Lim.
Sozio & Andrioli
Stevenson, H. E., & Co.
Stevenson & Howell
Todd, A. M.
Treatt, R. C. | Warrick Bros.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Eucalyptus Oil Co.

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim
Burgoyne, Burbidges & Co
Davies, Gibbins & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EXTRACT MEAT
Armour & Co. | Brand & Co.
Liebig Co. | Liquor Carnis Co.

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

FEEDG BOTTLES
Burroughs, Wellcome & Co. (Thermo Safe)
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Shirley Bros. | Youldon, E.

FILTERS
Berkfield Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Bleasdale, Lim.
Buchan, D. D.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright
Tyrer, P.

FOOD (Infants'& Invalids')
Allen & Hanburys
Beanes & Co.
Benger's Food
Brand & Co.
Frame Food Co., Lim.
Goodall, Backhouse & Co.
Hawksley, T. (Steriliser)
Horlick & Co.
Irving, Son & Jones
Kydde & Co.
Lazenby & Son, Lim.
Liquor Carnis Co.
Liebig Co. | Lorimer & Co.
Mellin's Food | Nestlé, H
Savory & Moore | Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

GELATINES
Boehm, F.

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aërated & Mineral Water Association, Lim.
Ellis & Son | Hay, W., Lim.
Mills, R. M., & Co.

GLUE
Brauer, A.

GLYCERINE
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &c.)

HAIR PREP.
Alexandre's Shadeine
Chesebrough Co.
Depilene Co.
Edwards & Co.
Thiellay, E. H

HERB BEER EXTS.
Adams, B.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Leath & Ross
Watson & Wates

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sons, Lim.
Bleasdale, Lim.
Fleming's Oil & Chemical Co., Lim.
Jackson, T.
Rudkin's Moth Bricks
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons

LIQUORICE
Evans, Sons & Co. (Savarin)
Frankenstein, S. M., & Co.
Hillaby, J.
Lorimer & Co.
"Solazzi"

LIQUORS
Blackwell, Hayes & Spilsbury
Davies, Gibbius & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LEECHES
Fitch & Nottingham

LOZENGES
Allen & Hanburys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Lorimer & Co.
Ralmes & Co.
Warrick Bros.

LUNGPRESERVRS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Volcanic Aeration Co.
Werner, Pfelderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spilsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Distillers' Co., Lim.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
Bond (Daughter of the late John (Ink and Pencils)

MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Evans, Lescher & Webb
Maw, S., Son & Thompson
Shirley Bros. | Tyrer, P.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.

MILK
Hawkesley, T. (Sterillize
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drug Co.
Calvert Bros. & Co.
Hooper, B., & Co. (Sandal Wood)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.

OPTICIANS
Botwright & Grey
Parton, F., & Co.
Raphael, J., & Co.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PASTILLES
Jackson, T.

PAT. MEDCNS, &c.
Anglo-American Drug Co., Ld.
Atkins' Lung Healer
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Clarke's Blood Mixture
"Daisy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fassett & Johnson
Fenning (Powders)
Goodall, Backhouse & Co.
Guy's Tonic
Holloway (Pills and Oint.)
Hovenden & Sons
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Newbery, F., & Sons
Richards, J. M.
Roberts & Co.

PENS
Jewel Pen Co.

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Kühn, B. (Papain Finkler)
Newbery, F., & Sons (Ingluvin)
Oppenheimer, Son & Co.
Parke, Davis & Co.
Stevenson, H. E., & Co.

PESSARIES
Rendell, W. J.

PERFUMERY, FANCY SOAPS
Barclay & Sons, Lim.
Bleasdale & Co.
Blondeau & Cie. | Boehm, F.
Brager, L.
Bristow, T. F., & Co.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Corbyn, Stacey & Co.
Crown Perfumery Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Ewen, J., & Sons | Farina, J. M.
Frankenstein, S. M., & Co.
Grossmith, Son & Co.
Hovenden & Sons
Lanolline
Lynch & Co., Lim.
Moise, B. F., Lim.
Mulhens, F.
Newbery, F., & Sons (Berdoes)
Pears, A. & F., Lim.
Price's Patent Candle Co.
Sanitas Co., Lim.
Schutze, F., & Co.
Sharp Bros. Soap & Perfumery Co., Lim.
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Truffitt, H. P., Lim.
Van Oppen & Co.
Warrick Bros.
West, T. (Okell's Mona)
Woolley, Sons & Co. (Powder)
Wright, Layman & Umney

PEPPERMINT OIL
Bnsh, W. J., & Co.
Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell
Todd, A. M.

PEROX. OF HYDR
May & Baker, Lim.
Robbins & Co.
Sanitas Co., Llm.
Tyrer, T., & Co.

PETROLEM JELLY
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Snowdon, Sons, & Co. (Jelly)

PHARM. PREPS.
Allen & Hanburys
Armour & Co. | Baiss Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Dieterich, Eugen
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Ferris & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Franol
Hewlett & Son
Howards & Sons
Kühn, B.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Mackey, Mackey & Co.
Martindale, W.
May & Baker, Lim.
Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Potter & Clarke
Richards, J. M.
Roberts & Co.
Smith, T. & H., & Co
Smith, W. F.
Squire & Sons
Stevenson, H. E., & Symes & Co.
Tyrer T., & Co.
White, Alfred, & Sons
Willows, Francis & Butler
Woolley, Sons & Co.
Wyleys Lim.
Zimmermann, A. & M.

PLASTERS
De St. Dalmas, A.
Evans, Sons & Co.
Seabury & Johnson
Solport Bros. (Court)

POLISHING
Bradley & Bourdas (Albatum)
Diamond Emery Co.
Fordham, W. B., & Sons, Lim.

PORCELAIN GDS
Toogood (E.c. Pots, regist.

POULTRY FOOD
Spratt's Patent, Lim.

PHOTOGRAPHIC, X RAY, &c.
Barclay & Sons, Lim.
Boehm, Fredk.
Botwright & Grey
Burroughs, Wellcome & Co
Cox, H. W.
Darton, F., & Co.
Evans, Sons & Co.
Houghton, G., & Son
Howards & Sons (Chemicals
Lockyer, J. E.
Mackey, Mackey & Co.
Maxwell, Bayes & Co.
Raphael, J., & Co.
Reynolds & Branson
Sandell Works Co., Lim.
Thornton-Pickard Co.
Tyrer, T., & Co.
White, Alfred, & Sons
Woolley, J., Sons & Co.
Zimmermann, A. & M.

PILL MACHINES
Bennett, Sons & Shears
Pindar, J. W.
Toogood, W. (Coater)

PILLS, Coated, &c.
Allen & Hanburys
Anderston Apothecaries'
Beecham, Thomas
Bleasdale & Co., Lim.
Box, W. H.
Cox, Arthur H., & Co.
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Hearon, Squire & Francis
Hill, A. S., & Son | Holloway's
King's Dinner
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Ray's Medicine Co.
Scott's, Dr.
Wand, S. (Pearl Coated)
Warner, W. R., & Co. (Coated)
Wyleys, Lim.

PRINTING
Bowers Bros.
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Harrison & Waids
Silverlock, H.
Townsend, J.

QUININE SALTS
Boehringer, C. F., & Sohne
Howards & Sons
Smith, S., & Co. (Wine)
Zimmermann A & M.

RENNET
Duncan, Flockhart & Co.
Lorimer & Co.
Miller & Co.
Tomlinson & Hayward

RUBBER GOODS
Powell & Barstow

SACCHARINE
Reitmeyer & Co.

SALICIN
Macfarlan & Co.
Smith, T. & H., & Co.

SALICYLIC ACID
Bnrgoyne, Burbidges & Co.
Zimmermann, A. & M.

SARSAPARILLA
Potter & Clarke

SAUCES, PICKLES
Goodall, Backhouse & Co.
Maw, S., Son & Thompson
Tyrer, P.

SCHOOLS, &c.
Central (Edinburgh)
City School (Skerry's)
Davis, F.
Dawes, A. H.
Glasgow School of Pharmacy
Liverpool School
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
North of England School
Northern College of Pharmacy
Pharmaceutical Era
Royal Dispensary (Edinburgh)
Sheffield College of Pharmacy
South London School of Pharmacy, Lim.
Westminster College

SCIENTIFIC INSTRUMENTS
Darton Co. | Hicks, J. J.

SEA SALT
Tidman & Son, Lim.

SEEDS
Brook, Parker & Co.
Potter & Clarke
Spratt's Patent, Lim. (Bird)

SEIDLITZ PWDRS
Davies, Gibbins & Co.
Hora & Co. | May, Roberts & Co.

SELTZOGENES
Bratby & Hinchliffe, Lim.
May, Roberts & Co.
Volcanic Aeration Co.

SERUM
Greeff, R. W., & Co.

SHAVING
Hovenden & Sons (Euxesis)
Lloyd, A., & Co. (A. S. Lloyd's Euxesis)

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Fletcher Bros & Co.
Harescough & Co.
Jeyes' Sanitary Compounds Co.
Kühn, B. (Kresochine
Ness & Co.
Sanitas Co., Lim.

SHOP FITTERS
Bowling & Govier
Bygrave, J. & W.
Evans, Sons & Co.
Josephs, C., & Co.
Josephs, Philip
Treble, G., & Son
Yates, W. S.

SOAP
Blondeau et Cie. (Vinolia)
Bronnley, H., & Co.
Cook, E., & Co.
Crosfield, J., & Sons, Lim.
Gibbs, D. & W. (Medicated)
Huggin's Soap Works, Lim
Jameson, W. (Arsenical)
Jeyes' Sanitary Compounds Co.
Mackenzie's, Dr. (Arsenical)
Maypole Soap Co., Lim.
Muhlens, F.
Pears, A. & F., Lim.
Sanitas Co., Lim.
Sharp Bros. Soap, &c., Co., Ld.
Sinclair, J., & Son
Tidman & Son
Wright, Layman & Umney

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co

SPONGES
Cohen, I. & M.
Cresswell Bros. & Schmits
Peterson, M., & Co.

STARCH
Critchley (Gloss)
Hebden, W. C.

STEEL BARRELS
Iron and Steel Plant Co., Lim.

STOPPERS
Austin & Co. (Sprinklers)
Barnett & Foster | Melin, C.
Patent Stopper, Box, and Stamping Co., Lim.
Stipendum Stopper Co., Lim.

STOVES
Clark, S., & Co., Lim

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Glebe Sugar Refining Co.
Macfie & Sons

SUGAR OF MILK
Boehm, Fredk.

SURGICAL
Accrington Surgical Appliance Co.
Ayrton & Saunders
Bailey, W. H., & Son
Barclay & Sons Lim. [Co.
British-American Ball Nozzle
Burgoyne, Burbidges & Co.
Eschmann Bros. & Walsh
Ferris & Co.
Haywood, J. H.
Ickringill's Hyglenic Cloth Syndicate, Lim.
Krohne & Sesemann
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Macfarlan, J. F., & Co.
Manson, R.
Maw, S., Son & Thompson
Milne, J.
Oppenheimer, Son & Co.
Powell & Barstow
Quelch, H. C.
Robinson & Sons
Sanitas Co., Lim.
Schutze, F., & Co.
Wood, Vincent
Woodruff, T.

SYPHONS
Barnett & Foster
Bratby & Hinchliffe, Lim.
British Syphon M'f'g. Co.
Chemists' Aerated and Mineral Waters Association, Lim.
Geraut, E., & Co.
Idris & Co., Lim.
Kilner Bros. | Melin, C.

SYRUPS
Beckett, W., Sons & Co.
Blyton, Astley & Co.
Fletcher, Fletcher & Co. (Liquors)
Stevenson & Howell
Volcanic Aeration Co.

TABLETS
Corsan, J. R. (Advertising)
Davies, Gibbins & Co.

TEA
Pearse & Meeking
Tower Tea, Lim.

TEETHING PADS
Cartwright, A. S.
Marriott, E., & Co.

THERMOMETERS
Ayrton & Saunders
Bailey, W. H., & Son
Darton, F., & Co.
Hicks, J. J.

TOBACCO & CIGRS
Fraenkel Bros.
Singleton & Cole, Lim.

TINCTURES
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Evans, Sons & Co.
Hewlett, C. J., & Son
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Parke, Davis & Co.
Sinclair, Phillips & Co.
Wyleys, Lim.

TOILET
Addis, R., & Son
Ayrton & Saunders
Beetham & Son [(Lanoline)
Burroughs, Wellcome & Co.
Crosfield, J., & Sons, Lim.
Dee Oil Co., Lim.
Hovenden & Sons
Lynch & Co., Lim.
Malcolm & Co.
Maw, S., Son & Thompson
Moise, B. F., Lim. [Lim.
Peacock's Ovaline Soap Co.
Sanitas Co., Lim. [Co., Lim.
Sharp Bros. Soap & Perfumery
Southall Bros. & Barclay
Squire & Sons
Tidman & Son, Lim.
Townsend, J. (Paper)

TOOTH PASTE
Beecham, T.
Jewsbury & Brown
Maw, S., Son & Thompson
Parke, Davis & Co.
Sutton, O., & Co.
Woods, M. (Areca)

TRADE MARKS
Browne, T. B.

URETHANE
Howards & Sons

VACCINATION
Maw, S., Son & Thompson
Vaccine Association (Lymph)

VALUERS AND TRNSFR AGNTS
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Crocker, G. B., & Co.
Ferguson & Osborne
Orridge & Co.
Tomlinson, Thos., & Son

VASELINE
Chesebrough Co.

VETERINARY
Bird & Storey
Day & Sons
Day, Son & Hewitt
Elliman, Sons & Co.
Harvey & Co. | Leng, A., & Co
Lloyd, T. Howard, & Co.
Rookledge, F. E.
Sanitas Co., Ld | Spratt's (Dogs)
Walker, Troke & Co.

VINEGAR
Grimble & Co.

VINOLIA Superfatt'd
Blondeau et Cie.

WEED KILLER
Acme Chemical Co., Lim
Fletcher Bros. & Co.
Sanitas Co., Lim.
Tomlinson & Hayward

WHOLSLE & EXPT DRUGGISTS
Allen & Hanburys
Allen, S., & Son | Balss Bros.
Barron, Harveys & Co.
Bleasdale & Co., Lim.
Brook, Parker & Co. (Botanic)
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Corbyn, Stacey & Co
Davies, Gibbins & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Gadd & Co.
Evans, Sons & Co.
Evans, Lescher & Webb
Ferris & Co. | Graf, F.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Hearon, Squire & Francis
Hewlett & Son
Kemp, Wm., & Son
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Potter & Clark
Raimes & Co.
Raimes, Clark & Co.
Smith, B. A., & Co.
Stevenson, H. E., & Co.
Taylor & Colledge
Willows, Francis & Butler
Woolley, Jas., Sons & Co.
Wright, Layman & Umney
Wyleys, Lim.

WINES, SPIRITS, BEER, &c.
Bnrgoyne, P. B., & Co.
Burroughs, J.
Coleman & Co., Lim.
French Hygienic Socy. (Coca)
Goodall, Backhouse & Co.
Holloway, E. A.
Millar, A., & Co. (Orange)
Phillips, G., & Co. | Robinson B
Smith, S., & Co., Lim. (Orange)
Stevenson, H. E., & Co.
Symons, J., & Co., Lim.
Warren, A. & J.
Whitbread & Co.
Wilcox & Co
Wright, Layman & Umney.
Wyleys, Ltd.

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SIXTEEN INTERNATIONAL PRIZE MEDALS AWARDED.

Only "Grand Prix" awarded to any American Exhibit in Group 13 (Chemical Industries), Antwerp, 1894

BROMO SODA
TRADE MARK.

Bromide of Sodium with Caffeine, in the Granular form. Very carefully and evenly made Invaluable in **Brain Fatigue arising from Overwork, etc.** The *Lancet* (August 6, 1887, p. 265) states that "the Sodium compound does, in fact, agree better (than the potassium salt) with some stomachs."

COATED PILLS

Unequalled in their medicinal properties or in **SOLUBILITY.** Each pill will produce the effects expected, and an experience of thirty years, coupled with unremitting care and study, has enabled the manufacturers to achieve RESULTS OTHERWISE UNATTAINABLE.

COUNTER VASES OF PILLS, &c.

Elegant Counter Vases, of four different patterns and sizes. Prices from 4/10 upwards including 1,000 Pills. See full details in Warner's Price List.

"No. 120" is an "all round" Antibilious or Liver Pill which has found universal favour.

R. Podophyllin, ½ gr.; Ext. Colocynth, ⅓ gr.; Pv. Soc. Aloes, 1 gr.; Pv. Scammony, ¼ gr.; Pv. Saponis, 1-8 gr.; Ext. Hyoscyami, 1-8 gr.; Gingerine, 1-8 gr. Dose, 2 to 4.	Per 1,000, in Plain Bottle 4/-	Per Stoppered Vase, with painted glass label, 6/4	Per Bottle (Bulk) of 5,000 17/6	Per 10,000 34/2

INGLUVIN
TRADE MARK.

The essential principle of the gizzard, and bearing the same relation to poultry that pepsin does to the higher animals. Where pepsin refuses to act, and where, in severe cases, it has even been rejected by the stomach, **Ingluvin has rapidly effected relief. Per oz. Bottle** (stamped), 4/6. Supplied unstamped, and in 4-oz. bottles (also in lentiforme) for Dispensing.

British Depot—F. NEWBERY & SONS (Established over 150 years).

1 & 3 KING EDWARD STREET, NEWGATE STREET, LONDON, E.C.

Complete Catalogue, with Formulæ, free on demand. **Newbery's Annual Catalogues** also contain full Details of these Preparations.

UNRIVALLED

'OVALINE'

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UNDER THE P.A.T.A.

THE ONLY SOAP PREPARED WITH YOLK of EGG.

7/6 FOR | *A Profit of* **33%** *A Profit of* | **36** TABLETS.

"CHEMIST AND DRUGGIST" says:

"One of the NICEST SOAPS which have been introduced within recent years, and one differing in COMPOSITION FROM ALL NOW ON THE MARKET. The name obviously suggests eggs, and eggs suggested the soap. The SOAP IS WELL MADE, NEUTRAL, DELIGHTFULLY SCENTED, and, while being refreshing in use, gives to the SKIN THAT WARM AND SOFT FEELING indicative of a good circulation. The same soap basis is used for all, scent and size determining the prices."

Send for Sample Boxes and Prices. Show Cards and Pamphlets freely distributed.

PEACOCK'S OVALINE SOAP CO., Ltd., 145 QUEEN VICTORIA STREET, LONDON, E.C.

JEWSBURY & BROWN'S
Oriental Tooth Paste.

Established over 70 years. Warranted to retain its properties and keep good in any climate. The original and only genuine is manufactured solely by

JEWSBURY & BROWN,
ARDWICK GREEN, MANCHESTER.

Particular attention should be paid to the Trade Mark, printed in red and green, a facsimile of which is annexed, as numerous imitations are offered.

MAY BE OBTAINED FROM THE WHOLESALE HOUSES.

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SARG'S ORIGINAL BEEHIVE BRAND

Sarg's GLYCERINE.

CERESINE WAX.

CERESINE WAX.

Sarg's GLYCERINE.

"NEVER DEFER."

WHITE, NATURAL, YELLOW, & ORANGE. STOCK KEPT IN LONDON OF 15 DIFFERENT KINDS.

Supplied in square blocks, each wrapped in paper and packed in cases of 1 cwt. each.

None Genuine unless Cases, Wrappers, and Blocks are branded both with Maker's Name, "SARG," and the "BEEHIVE" Trade Mark.

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CITY SOAP WORKS,

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Offices and Showrooms:

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Trade Mark. Registered

THE ORIGINAL SUPERFATTED AND FAMOUS

COLD CREAM SOAP

"Otto,"
"Toilet,"
"Medicated."

Wrapped and Cartooned in 1 dozen or ¼ dozen Boxes.

This Soap is delicately Perfumed, and made with the utmost care from the finest materials only, and a Certificate of Purity is given with each tablet. The above are protected by our Registered Trade Mark given above, and every wrapper bears this, so that customers are warned against worthless imitations.

COLD CREAM SHAVING SOAP

Messrs. GIBBS have at last succeeded in giving their customers a Shaving Soap which is far ahead of anything yet produced.

ST. PAUL'S BRAND

JUBILEE PERFUMES

1/- Ovals, ½-doz. in Box	Per doz.	7/-
1/- Squares, each in Fancy Box	"	8/-
1/6 Stoppered, each in Fancy Box	"	10/6
2/6 2 Stoppered Bottles, in Fancy Case ...	"	21/-

NEAT SHOW-CARD sent with each ½-doz.

FRANCIS NEWBERY & SONS.

1 & 3 KING EDWARD STREET,

LONDON, E.C.

Best and Safest Dentifrice.

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PREVENTS DECAY.

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1s. 1s.

REFUSE IMITATIONS

OF ALL CHEMISTS AND PERFUMERS

BRECKNELL'S SKIN SOAP.

PRIZE MEDAL.

Recommended by Eminent Medical Men.

Unscented, yet Sweet as a Rose.

Although low in price, it ranks with high-class Soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

☞ The longer it is kept the more it improves and increases in value.

LIBERAL TERMS TO THE TRADE.

BRECKNELL, TURNER & SONS, LIMITED,

To Her Majesty, &c., &c.

31 HAYMARKET, LONDON.

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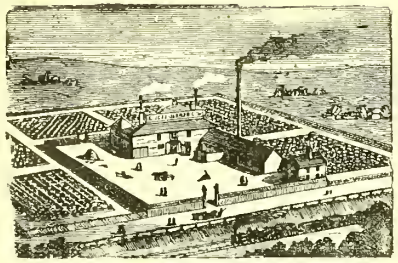
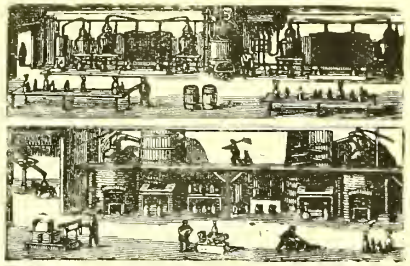


JOHN JAKSON & CO.

Growers and Distillers of PEPPERMINT, LAVENDER, CAMOMILE, &c.

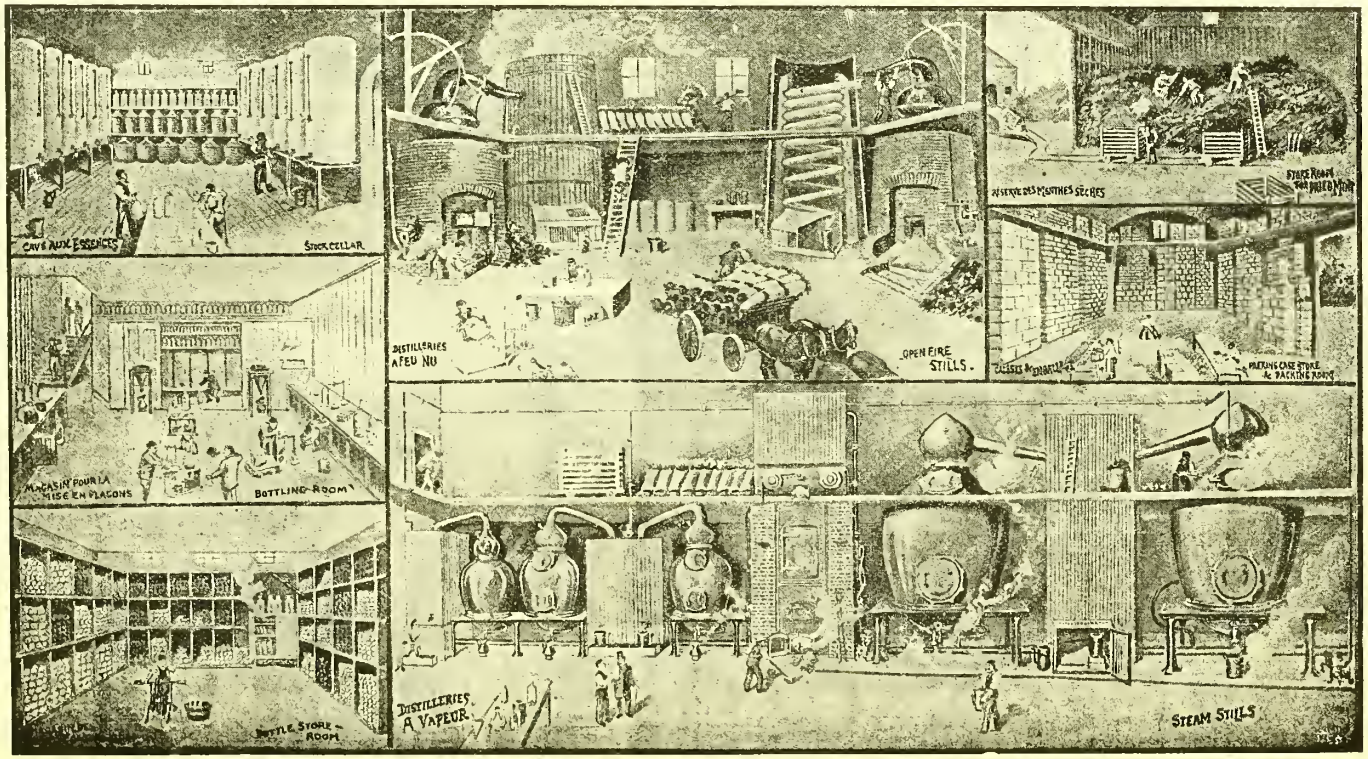
Mitcham Road Steam Distilleries, CROYDON (Surrey). 17 Philpot Lane, Fenchurch Street, LONDON, E.C. Depot—4 Rue Payenne, PARIS.



HIGHEST AWARDS AT PRINCIPAL EXHIBITIONS. 6 Gold, Silver, and other Medals awarded—Milan, 1880; Paris, 1885; Liverpool, 1886; Paris, 1889; Antwerp, 1885; London, 1890; Lyons Universal Exhibition, 1894—"Hors Concours" Member of Jury.

Bloomsbury Square, London, 9th January, 1888.

Having visited the cultivation grounds and distilleries of Messrs. John Jakson & Co., at Mitcham, devoted to the production of lavender, peppermint, and other essential oils, and having submitted samples of the lavender and peppermint oils prepared by this firm to a careful physical and chemical examination, I can bear testimony to the very complete arrangements, with all modern appliances, which are here provided for distilling essential oils, and to the excellent quality of the oils so distilled.



Mitcham has been renowned throughout this and part of the previous century for the successful cultivation of peppermint, lavender, and other medicinal plants from which oils of superior quality have always been produced, but at no previous period have the means for obtaining products of the highest quality been so successfully carried out as they have been since the introduction of Messrs. Jakson's system.

T. REDWOOD, PH.D., F.I.C., F.C.S., Etc.,
Emeritus Professor of Chemistry and Pharmacy to the Pharmaceutical Society of Great Britain.

The only firm in England occupied solely in the Cultivation & Distillation of **PEPPERMINT, LAVENDER, CAMOMILE, ROSEMARY, & PENNYROYAL OILS**

TWO DISTILLERIES—STEAM AND OPEN FIRE. Farms & Cultures—MITCHAM, WALLINGTON, BEDDINGTON, CARSHALTON.

All Oils bearing our Trade Mark are guaranteed Pure and Genuine.

JAKSON'S
Lavender Water
A One Shilling Bottle of this Perfume guaranteed to contain more value in Lavender than a Pint of that as usually sold.
BEST MITCHAM Concentrated
LAVENDER WATER
PREPARED DIRECT FROM THE FRESH MITCHAM FLOWERS BY THE GROWERS
JOHN JAKSON & Co
MITCHAM ROAD STEAM DISTILLERIES, SURREY
THE LARGEST GROWER AND DISTILLER AT MITCHAM.
John Jakson & Co
MITCHAM
To obtain the genuine see name on each bottle.
OVER 500 ACRES IN CULTIVATION

SPECIAL NOTICE.

I have noticed that there has recently been an increasing demand in England for a smaller-sized bottle of Eau de Cologne than that I have hitherto shipped, and have therefore decided to supply in future a 2-oz. size to meet the requirement. The price will remain unaltered. 24 of the 2-oz. bottles equal 1 dozen.

EAU DE COLOGNE

OF THE MOST ANCIENT DISTILLER,

JOHANN MARIA FARINA,

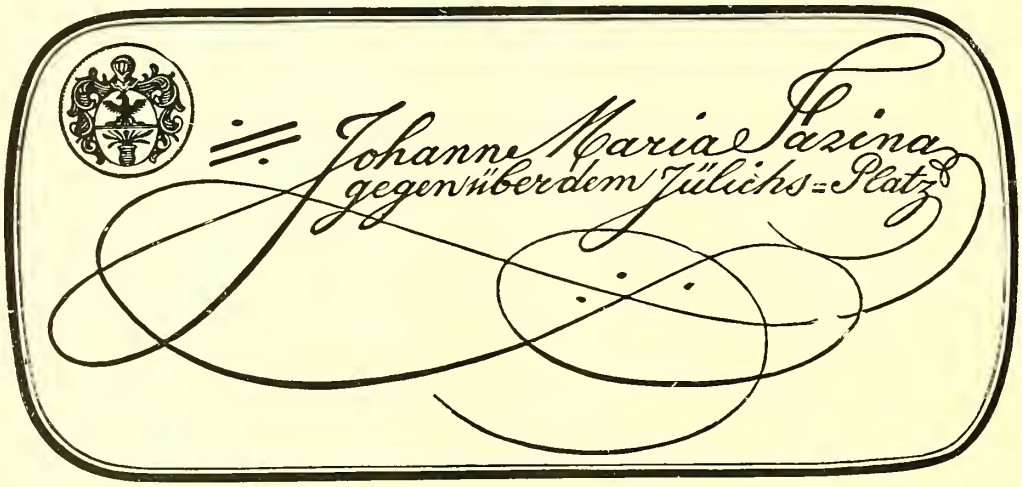
Opposite the Julichs Place, COLOGNE,

ESTABLISHED A.D. 1709.

PRIZE MEDALS:—London, 1851 and 1862; Oporto, 1865; Paris, 1867; Vienna, 1873.

By appointment, Sole Purveyor to Her Most Gracious Majesty Victoria, Queen of Great Britain & Ireland; Their Royal Highnesses the Prince and Princess of Wales; Albert II., King of Saxony;

Their Majesties William II., German Emperor and King of Prussia; Alexander II., Emperor of Russia; Francis Joseph, Emperor of Austria; Lewis, King of Portugal.



In consequence of increasing inquiries from the Colonies for my Eau de Cologne, the only genuine, I beg to submit my Price Current.

Orders equal to at least 12 dozen short bottles will be promptly executed at 13*s.* 6*d.* per dozen, against my bill drawn at three months from the date of invoice, delivered free on board the export ship at Rotterdam, Antwerp, Hamburg, or Bremen, no charge being made for the case and packing, but insurance charged extra. 10 per cent. discount is allowed for orders equal to at least 100 dozen, but on no smaller quantities.

The goods can also be shipped in transit through London at a very small additional expense, full particulars of which may be obtained of my SOLE AGENTS FOR GREAT BRITAIN AND IRELAND—

MESSRS. J. & R. McCRACKEN, No. 38 Queen Street, Cannon Street, LONDON, E.C.

THE FOLLOWING ARE THE SIZES OF MY BOTTLES:—

No. 0 Short White	24 bottles	to One Dozen.	No. 4 Wickered Bottles (small) 8 bottles
,, 1 Long Green Flasks ..	12 ,,		,, 5 Ditto (medium) .. .. 4 ,,
,, 2 Short White Bottles	12 ,,		,, 6 Ditto (large) .. .. 2 ,,
,, 3 Double ditto	6 ,,		

JOHANN MARIA FARINA,

Cologne. *Opposite the Julichs Place.*

WHOLESALE TRADE ONLY.

STAFFORD ALLEN & SONS

(ESTABLISHED 1833),

DRUG MILLERS, OIL PRESSERS,

AND

DISTILLERS OF ESSENTIAL OILS,

7 COWPER STREET, FINSBURY, LONDON, ENGLAND.

EXPRESSED OILS

ALMOND (Ol. Amygd. Dulc.)
PEACH KERNEL (Ol. Amygd. Persic. Dulc.)
Frequently imported as Ol. Amygd. Exot.
CROTON

ESSENTIAL OILS

ALMOND	ANISEED	BUCHU	CARAWAY
CARDAMOM	CELERY	CINNAMON	CLOVE
CORIANDER	CUBEB	CUMMIN	DILL
JUNIPER	NUTMEG	ORRIS ROOT	PEACH KERNEL
PEPPER	PIMENTO		

SANDAL WOOD

AND OTHERS.

HIGHEST AWARDS CHICAGO, 1893, "FOR OILS OF EXCEPTIONAL PURITY AND STRENGTH."

GEORGE ALLEN & CO.

(ESTABLISHED 1846),

AMPTHILL, BEDFORDSHIRE, ENGLAND,

MANUFACTURING CHEMISTS,

Medicinal Herb Growers, Distillers, Manufacturers of

SOLID & FLUID EXTRACTS, JUICES, &c.

London Agents—STAFFORD ALLEN & SONS.

HAS THE HIGHEST HONOURS

AND

LARGEST SALE IN THE WORLD

OF ANY PREPARATION FOR THE HAIR.

SPECIALLY PREPARED AND PERFUMED FOR TOILET USE.

UNEQUALLED FOR PROMOTING THE GROWTH OF THE HAIR.

New and handsomely framed Show Card (facsimile) of above design in Twenty Colours (size 24 by 16) now ready, and will be forwarded free of charge to all retailers of our "HARLENE," together with 1,000 Counter Bills with seller's name and address printed at foot, on application. [2]

Full discount of 20 per cent. off the trade prices to all buyers of £5 and upwards.

EDWARDS' "HARLENE" COMPANY, 95 HIGH HOLBORN, LONDON, W.C.

"Sells Like Ripe Cherries."

GRANT'S

VIOLETTE DE PARME

The Sweetest of Sweet Perfumes.

All the Rage, and undoubtedly the Hit of the Season. Write for Quotations.

SOLE WHOLESALE AGENTS—

F. SCHUTZE & CO., 36a Aldersgate Street, LONDON, E.C.

Look to your Stock

OF

MAYPOLE SOAP.

The Demand is Phenomenal!

NOTICE

To Chemists.

THE proprietor of DR. MACKENZIE'S ARSENICAL TOILET SOAP having lately at great expense sent a Velvet Plush Show Tablet to the principal Chemists in all the large towns and cities of the United Kingdom, respectfully requests that all who may not be showing the tablets received will be good enough to return them to, and at the expense of,

S. HARVEY,
5 Denman Street,
LONDON BRIDGE, S.E.

SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid.

6d. Sample size ..	..	4/- per doz.
3/6 Large " ..	..	28/- "
10/6 Extra " ..	..	84/- "

SAMPLES Supplied to the Trade on pretty hanging Showcards at 4/- per doz.

This Popular Article is Largely Advertised, and kept at all Wholesale Houses.

Agents Wanted.

ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.

The Best Hair Remover.

DEPILENE

Reaches the Root.

Removes superfluous hair without injury to the skin. Speedy and sure. No mixing. Dispenses with Electrolysis.

To be obtained, elegantly prepared, and packed free from observation, with directions, post free 4/3 per bottle, of

THE DEPILENE CO.
QUEEN'S FERRY, FLINTSHIRE,
Or of MARSHALL & CO.
30 Newgate St. London, E.C.

Special Terms to Chemists.

TRY IT IN YOUR BATH.

SCRUBB'S CLOUDY FLUID AMMONIA

MARVELLOUS PREPARATION.

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Of all Chemists, Etc.

Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.
Price 1s. per Bottle.

SCRUBB & CO., 32b SOUTHWARK STREET, LONDON, S.E.

TO WHOLESALE AND EXPORT TRADES.

W. RANSOM & SON

(ESTABLISHED HALF A CENTURY),

MANUFACTURING PHARMACEUTICAL CHEMISTS,

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

SPECIALITIES:—

SOLID & LIQUID EXTRACTS.
EXPRESSED JUICES.
ESSENTIAL OIL OF LAVENDER.
ESSENTIAL OIL OF PEPPERMINT.

SCAMMONY RESIN.
JALAP RESIN.
ELATERIUM.
MERCURIAL PILL & OINTMENT.

ALOIN. | EUONYMIN
LEPTANDRIN
DRIED MEDICINAL LEAVES.
ENGLISH DANDELION ROOT.

All Standardised Preparations of the British Pharmacopœia are tested and corrected by our Analyst before leaving the Laboratory.

International Exhibitions—London, 1862; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils, and Dried Herbs of Superior Quality. Also Award at the Paris Exhibition 1867.

A LEADING LINE—ALWAYS IN DEMAND!

M. BEETHAM & SON

Beg to announce that in order to insure a fair profit to the Retail Trade, and to endeavour to do their part in the effort now being made to put an end to the suicidal system of "Cutting" so prevalent in the Trade, they have decided from October 20th to fix minimum prices at which their Glycerine and Cucumber, Hair Grower, &c., &c., shall in future be sold.

M. BEETHAM & SON trust that their endeavour to give the Retailer larger profits will be reciprocated, and that he will in return help them to increased business by freely and ungrudgingly letting the public have the articles for which they ask. So shall the benefit be mutual, and not all on one side.

		Minimum Retail Price.	Minimum Wholesale Price.
Beetham's Glycerine & Cucumber	1/-	10½d. each	8/6 doz.
" " "	1/9	1/7 "	15/- "
" " "	2/6	2/3 "	20/6 "
" " "	4/6	4/- "	38/6 "
" Capillary Fluid & Hair Grower .	2/6	2/3 "	20/6 "
" " " " " .	4/6	4/- "	38/6 "
" Corn Plaster	1/1½	1/- "	9/6 "
" " "	2/9	2/6 "	24/- "

£5 Lots single or assorted Goods, 5 % discount for CASH WITH ORDER.

Show Cards, Handbills with name on, and Window Dummies supplied free on receipt of Business Card by

M. BEETHAM & SON, CHELTENHAM.

All cases of "Cutting" should be reported to the SECRETARY, P.A.T.A., 2 Stonecutter Street, E.C.

BURGOYNE'S

TRADE MARK.

DIAMOND BRAND

Fruit Drinks.

ANTICIPATING during the coming season a large demand on all kinds of refreshing beverages, we beg to bring to your notice the following **high-class** flavoured Sherbets.

We feel sure that, as they combine two important points, namely—good quality and moderate price, they will specially recommend themselves to you.

Every ingredient is absolutely pure, the flavours being produced by a special blend of our Diamond Brand Essences.

THEY ARE

Cherry	Peach
Belfast Ginger Ale	Quince
Lemon	Raspberry
Orange	Strawberry

Tastefully put up in elegantly-labelled panelled bottles, with boxwood corks, at **4s. 6d.** per dozen net, to retail at **6d.** Customer's own name and address printed free on one gross **assorted** and upwards.

Burgoyne, Burbidges & Co.

12 & 16 Coleman Street, LONDON, E.C.

BARNETT & FOSTER,

MANUFACTURERS.

THE "COMPACT" CONTINUOUS ACTION

SODA-WATER MACHINE.

For use with the Liquefied Carbonic Acid Gas.

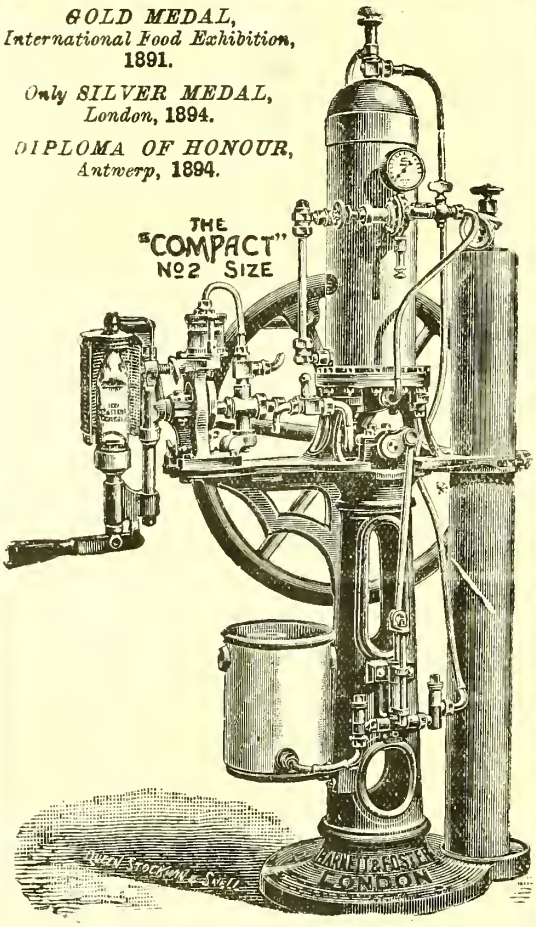
Specially designed for use where space is an object, and for those having a large retail trade, such as Chemists, Hospitals, Restaurateurs, Hotel Proprietors, &c. They are ready for work immediately, require no fixing, and produce Aërated Waters of the very highest quality at a minimum of cost.

NO DANGER.
NO MESS.
PERFECTLY RELIABLE.

GOLD MEDAL,
International Food Exhibition, 1891.

Only SILVER MEDAL,
London, 1894.

DIPLOMA OF HONOUR,
Antwerp, 1894.



We guarantee to produce a better article with these than any other system adapted for using the Liquefied gas, and at a lower pressure, thus effecting an immense saving in bottles, and also reducing risk of accidents.

In use by Leading Chemists in all parts of the United Kingdom.

TWO FILLERS INCLUDED.

No. 1 Size, complete with Turnover and Syphon-filling Machine, and fitted with fast and loose Pulleys for driving by power ... Code word (*Supremacy*) **£60**
Producing Capacity by Hand-power 600 dozen per day.
" " Power 1,200 " "

No. 2 Size, complete with Turnover and Syphon-filling Machine Code word (*Royalist*) **£48**
Producing Capacity by Hand-power 350 dozen per day.
" " Power 700 " "

No. 3 Size, complete with Turnover or Syphon-filling Machine ... ... Code word (*Retailer*) **£33**
Producing Capacity by Hand-power 200 dozen per day.

Syrup Pump fitted to the Turnover Filling Machine on either of above (*Injecto*) £2 extra. If fitted with one Filling Machine only, the two largest Machines are charged £3 less than above prices.

SOLE INVENTORS AND MANUFACTURERS OF THE

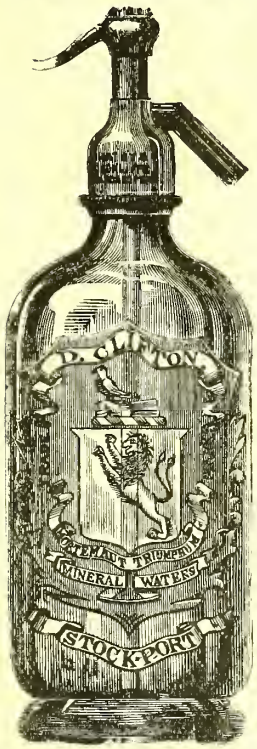
"NIAGARA" BOTTLE AND THE LONDON-MADE SYPHON

KNOWN ALL OVER THE WORLD.

Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.

NIAGARA WORKS, 26T EAGLE WHARF ROAD, LONDON, N.

SYPHONS & SELTZOGENES



Messrs. J. BARRE JOHNSTONE & CO., 20 Loftus Street, Sydney, N.S.W., Agents for New South Wales, Queensland, and New Zealand.
Messrs. NOYES BROS., 43 Queen Street, Melbourne, Victoria, Agents for Victoria, South and West Australia, and Tasmania.

81 ROBERTSON STREET, GLASGOW.

PRICES.

SYPHONS ... 1/6, 1/8, and 1/10 each.

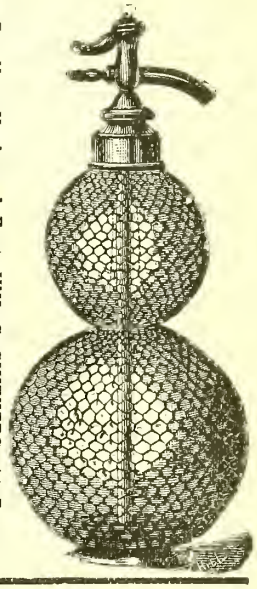
SELTZOGENES.

1	2	3	4	5	8 pint.
6/-	6/8	7/6	8/6	10/5	16/- each.

Including two funnels and stopper for charging.
The tops of these Seltzogenes are made of pure block tin, guaranteed.
A copy of our Book of Instructions for the manufacture of Aerated Beverages will be presented to purchasers.

American Agents. For New York and East, WM. G. SMITHERS, 11 Duane Street, New York.
For Chicago and West, VICTOR BAROTHY, 409 Dearborn Street, Chicago.

All our Seltzogenes are manufactured on the well-known "Fevre" System, and each one is thoroughly tested before leaving the works.



Re

COLEMAN'S Wincarnis

COLEMAN'S Crown Imperial Invalid Champagne

COLEMAN'S Coca Wine

COLEMAN'S Wincarnis with Quinine

COLEMAN'S Coca Wine with Quinine

The above Medicated Wines, with the exception of Wincarnis with Quinine and Coca Wine with Quinine, cannot be sold without a Foreign Wine Licence.

Under certain conditions Messrs. COLEMAN & CO., Limited, are prepared to Pay for a Foreign Wine Licence.

FOR PARTICULARS APPLY TO

MESSRS. COLEMAN & CO, LTD.

Wincarnis Works, NORWICH.

ADAMS'S EXTRACT

FOR

HERB BEER

QUALITY AND FLAVOUR UNIQUE.

Certificate of Analysis from GRANVILLE H. SHARPE, F.C.S.

I have submitted to a very careful analysis a sample of ADAMS'S EXTRACT OF HERBS and find it be a highly concentrated preparation composed of judiciously selected herbs in combination with hops, and in the manufacture of which much skill and scientific judgment have been exercised.

It contains in an admirable and attractive form valuable tonic, stomachic, and dietetic properties, and there is an entire absence of undesirable admixture in any form.

It should prove a valuable acquisition in the world of non-intoxicating drinks, as when used according to directions it produces a beverage of high merit, refreshing and palatable to the taste and wholesome and invigorating to the system.

PROPRIETOR—

B. ADAMS, MANSFIELD

When applying for quotations please state approximate requirements in Bulk or Packed.

HIGHEST AWARD AT THE INTERNATIONAL EXHIBITION, LONDON, 1885.
TRADE MARK, Registered May 21st, 1867.

MILD DRINKS. Cherry. Raspberry. Strawberry. Lime Fruit. Black Currant. Lemon. Orange. Lemon Squash, &c.

THE PIONEER TEMPERANCE BEVERAGES.—Ch. Eng. Temp. Chron.

TRADE MARK W.B. BECKETT'S TRADE MARK W.B.

FRUIT SYRUPS & CORDIALS

HOT DRINKS. Winterine. Gingerette. Ginger. Lemon. Peppermint. Clove. Elderberry. Cherry Punch, &c.

"First-class beverages."—*The Grocer.*
"Have an established reputation."—*Nonconformist.*
"Delicious beverages."—*Scottish Good Templar.*
"Beckett's Fruit Syrups are not to be excelled."—*Anti-Adulteration Review.*
"Exceedingly pleasant."—*The Rock.*
"Invigorating and refreshing."—*Manchester Courier.*

Price Lists and other information sent post free on application to the Manufacturers—**W. BECKETT, SONS & CO., Heywood, Manchester.**
Wholesale and Export Agents—BARCLAY & SONS (LIM.), 95 Farringdon Street, E.C.; W. EDWARDS & SON, 157 Queen Victoria Street, E.C.; J. SANGER & SONS, 2 Winsley Street, Oxford Street; J. WOOLLEY, SONS & CO., Manchester; GOODALL, BACKHOUSE & CO., Leeds, &c., &c.

DIASTASED FARINA FOOD

A New and Very Superior Food for Infants, Delicate Children, and Invalids. The great desideratum of a Food for Infants, Delicate Children, and Invalids is easiness of digestion, simplicity of preparation, and power of restoring strength; for these purposes it is superior to any other Food.

RETAIL PRICE 1/6 PER TIN.

A totally unsolicited Report of a Medical Man's experience with the Diastased Farina Food.
YORKSHIRE, December 2, 1896.
DEAR SIRS,—Since August I have been trying your "Food," and I am well satisfied with the result. Milk is the most perfect food, but when you have to reckon with a low type of stomach, or a poor class of milk, assimilation is imperfect, dyspepsia frequent. The addition of your "Food" prevents the latter and hurries the former. I have had admirable results in the treatment of Phthisis, Chlorosis, Gastric Ulcer, Atonic Dyspepsia, and Neurasthenia.

Manufacturers:—E. BEANES & CO., Hackney Wick, LONDON, E.

Secure this Agency! Look at the terms!

HOLLOWAY'S

Sale or Return.

33⅓ % discount.

COCA WINE

Guaranteed made from the Leaf.

Carriage Paid.

Cases Free.

THE BEST. Write for Particulars,

E. A. HOLLOWAY, A.P.S., TORQUAY.

N.B.—We guarantee to create demand at once.
26

SPECIAL CHEMISTS' SUGAR

MACFIE & SONS'

PURE GRANULATED,
ENTIRELY FREE FROM COLOURING MATTER.

For making Syrups and other Pharmaceutical purposes.

GUARANTEED PURE CANE SUGAR.

MANUFACTURED ONLY BY

MACFIE & SONS

Sugar Refiners,

LIVERPOOL.

Samples and Quotations from EVANS, SONS & CO., 56 Hanover Street, LIVERPOOL, on application.

SOLE WHOLESALE AGENTS FOR CHEMISTS & DRUGGISTS—
EVANS, SONS & CO., 56 Hanover St, LIVERPOOL.
EVANS, LESCHER & WEBB, 60 Bartholomew Close, LONDON, E.C.
EVANS & SONS (LIMITED), MONTREAL.

NATURAL MINERAL WATERS.

PACKING FREE. **INGRAM & ROYLE LTD.** CARRIAGE PAID.

LONDON—EAST PAUL'S WHARF, 26 UPPER THAMES ST.

VICHY

LIVERPOOL: 19 South John Street.

BRISTOL: 80 Redcliff St.

HUNYADI-JÁNOS

NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Æsculap	15/-	12/-	25	30/-	50	50/-
Apollinaris	6/-	5/-	50	23/-	100	36/-
Bourboule (La)	11/-	—	50	42/-	—	—
Carlsbad	12/-	—	50	46/-	—	—
Condal	—	14/-	—	—	50	56/-
Contrexeville	9/-	—	50	35/-	—	—
Flitwick	24/-	15/-	—	—	—	—
Franz-Josef...	12/-	10/-	25	22/6	50	35/-
Friedrichshall	13/-	10/-	25	25/-	50	40/-
Gerolstein	5/-	4/-	50	20/-	50	15/-
HUNYADI-JÁNOS ...	12/-	10/-	25	22/6	50	35/-
Johannis	5/6	4/-	50	21/-	100	32/6
Kronenquelle	9/-	—	50	36/-	—	—
Oberbrunnen	9/-	—	50	36/-	—	—

NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Levico	—	15/-	—	—	—	—
Pullna	12/-	8/-	40	36/-	40	25/-
Reginaris	5/6	4/6	50	21/-	50	17/-
Roisdorf	6/-	—	50	25/-	—	—
Rosbach	5/6	4/-	50	20/-	100	32/-
Royat	9/-	—	50	34/-	—	—
Rubinat	15/-	8/-	25	30/-	100	60/-
St. Galmier	6/-	4/6	50	22/-	100	34/-
St. Marco	11/-	6/6	50	42/-	100	52/-
Salutaris (including bottles)	4/-	2/6	—	—	—	—
Selters...	6/-	4/6	50	24/-	50	17/-
Vals	8/6	—	50	33/-	—	—
VICHY (State Springs), "Celestins," "Hôpital," "Grande-Grille," &c. ...	**8/6**	**6/6**	**50**	**33/-**	**50**	**25/-**

CARRIAGE PAID excepting **SALUTARIS.** DETAILED PRICE LIST AND PAMPHLET ON APPLICATION.

HOLY- -ROOD
TABLE WATER.

Shown by analysis to be **equal** to the **best imported,** and is **FAR MORE ECONOMICAL.**

Highly Commended by LEADING MEDICAL AUTHORITIES

"Messrs. J. F. Macfarlan & Co. have hit upon a really excellent idea—viz., an artificial saline table-water, similar in composition to the popular imported natural aërated table-waters."—*Chemist and Druggist.*

J. F. MACFARLAN & CO.
Abbeyhill Chemical Works,
EDINBURGH.

SELTZOGENE CHARGES
("MINERAL" BRAND).

A NEW DEPARTURE.

TARTARIC ACID SUPERSEDED
(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growths.
BETTER. STRONGER. CHEAPER

THE SELTZOGENE PATENT CHARGES CO.
ST. HELENS.

GENEVA.

— THE ONLY —

AMERICAN NATURAL MINERAL WATER

ON THE MARKET.

Springs: GENEVA, NEW YORK.

— CURES AND PREVENTS —

Gout, Rheumatism, Eczema,
AND
Uric Acid Troubles.

A DELIGHTFUL TABLE WATER

At HOTELS, CHEMISTS, STORES, or

DEPOT: 10a GREEN STREET, LEICESTER SQUARE, LONDON, W.C.

PAMPHLET FREE.

SIX GOLD MEDALS and ONE SILVER MEDAL awarded.
HIGHEST AWARD at CHICAGO.

COLEMAN'S

WINCARNIS

OR

LIEBIG'S EXTRACT OF MEAT & MALT WINE

Is a delicious beverage and tonic made from Port Wine, Liebig's Extract of Meat, and Extract of Malt.

WINCARNIS

Is a New Name Registered to prevent fraudulent imitations

OVER FOUR THOUSAND

Unsolicited Testimonials have been received from Medical Men.

IMPORTANT UNSOLICITED TESTIMONIAL FROM
T. POYNTZ WRIGHT, Esq., Medical Officer of Health, New Street, St. Neots.

New Street, St. Neots, January 28th, 1894.

I have much pleasure in giving you my experience as to the "Meat and Malt Wine" received from you some time since, and in bearing testimony as to its value as a recuperative and restorative agent.

In the early part of last year my wife was seriously unwell suffering from loss of flesh and appetite, together with mental and bodily exhaustion and sleeplessness. She was under treatment for a considerable time without relief, and I at last determined to try "Wincarnis."

The effect was marked, and convalescence commenced from that date; the appetite returned and the weight hourly increased, and in about two months the health was restored, and this result was in a great measure attributable to the use of "Wincarnis"—of this I feel certain, that in many cases this preparation is a most valuable adjunct to medicinal treatment.

T. POYNTZ WRIGHT,
Medical Officer of Health, St. Neots.

WINCARNIS

Is sold by all Druggists, Wine Merchants, and Patent-medicine Vendors Ask for **Coleman's "Wincarnis,"** or **Liebig's Extract of Meat and Malt Wine,** and see that the word **"Wincarnis"** is on the shoulder of the bottle.

Sold in Bottles, 2*s.* 9*d.* and 4*s* 6*d.*, everywhere.
If there is any difficulty in getting the Wine, write direct to the manufacturers, who will forward
Sample Pint Bottle free by Post on receipt of 33 stamps.
,, Doz. ,, ,, Rail ,, 30*s.*

SOLE MANUFACTURERS:

COLEMAN & CO., LIMITED,

ST. GEORGE'S AND BANK PLAIN, NORWICH;
AND 3 NEW LONDON STREET, LONDON, E.C.

Sole Proprietors of "Ozmazon," the New Beef Tea, Coleman's Crown Imperial Invalid Stout, and also Coleman's Crown Imperial Invalid Champagne, which is strongly recommended by the Medical Faculty.

Under certain conditions the cost of a Foreign Wine Licence will be defrayed. For full particulars apply to COLEMAN & CO., LIMITED, Wincarnis Works, NORWICH.

28

FOR INFANTS AND INVALIDS.

KYDDE'S FOOD

IS UNEQUALLED.

KYDDE & CO.

10 SOUTHWARK BRIDGE ROAD, LONDON, S.E.

POST FREE!!

80-PAGE ILLUSTRATED LIST

TRADE MARK.

Of CIGARS,
CIGARETTES,
TOBACCOS (loose & packet),
FANCY GOODS,
STATIONERY,
CUTLERY, &c.

The LARGEST and CHEAPEST House in the Trade.

FRAENKEL BROS.
Manufacturers & Shippers,
P Dept., 58, 59, 60 & 60a HOUNDSDITCH
LONDON, E.C.

DRINK "TARALOUVA" TEA.

"TARALOUVA" CEYLON FANNINGS TEA,

At 1/6 per lb. (Wholesale Price, 1/3 per lb.)

Sold only in Tins, with the above Picture printed in Colours.

"Taralouva" Fannings Tea is composed of the small siftings from the finest Teas grown in Ceylon, and is the most economical and delicious Tea in the world.

TEA STRAINERS supplied at 7/6 per gross, to prevent the small Tea coming through in the teacup.

"TARALOUVA" WHOLE-LEAF TEA,

To Retail at 2/- per lb. (Wholesale Price, 1/7 per lb., packed in 1-lb., ½-lb., and ¼-lb. Tins).

The finest and most superb Whole-leaf Tea on the market.

AGENTS WANTED.

WHOLESALE ONLY,

PEARSE & MEEKING,

Wholesale and Export Tea Dealers,
ST. DUNSTAN'S HOUSE, IDOL LANE, EASTCHEAP, LONDON.

"LIVE, and LET LIVE."

THE FRAME FOOD CO., LTD., desire that all retailers should have a reasonable, living profit on the sale of "**Frame Food**" **Preparations.** To ensure this they have fixed minimum retail prices, below which they will not permit their goods to be sold. They also give no **graduated discounts** on large orders, but allow their **highest discount** on purchases of **£2** value and upwards, thus placing all retailers upon the same terms.

Goods sent carriage **forward.** No Packages charged or to return.

These terms ensure an average **Profit of over 30 per cent.** on goods sold at advertised prices, and of **20 per cent.** at minimum prices.

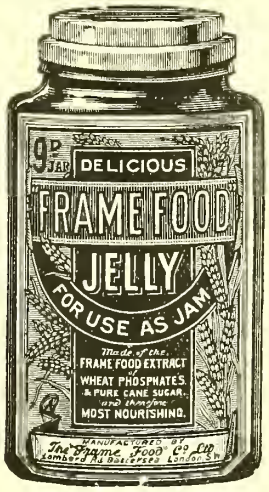
Write for Trade Terms and Anti-cutting Agreement.

Satisfactory references or cash required from new customers.

An Attractive FRAMED SHOWCARD, and Leaflets with Retailer's printed Address (in red ink), sent Carriage Free on application—(MENTION THIS PAPER). The **Frame Food Co.** trust that retailers will show their appreciation of the Company's efforts to ensure them a reasonable profit on the sale of "Frame Food" Preparations, by exhibiting the Showcards and distributing the Leaflets.

New & Improved Package.

LARGER PROFIT TO RETAILERS.



THE FRAME FOOD CO. have adopted a new air-tight covered Jar for "Frame Food" Jelly, which will ensure its keeping any length of time. In fixing the Retail and Trade Prices of the new package, they have taken the opportunity of securing a larger margin of Profit to Retailers, who will find it to their advantage to recommend the Jelly to their customers.

The 1s. and 7d. sizes are now withdrawn.

"Frame Food" Jelly possesses the nutritive and digestible properties of Malt Extract, and is much cheaper and more palatable.

Advertised Retail Price, 9d.;

Minimum Retail Price, 8½d.

TRADE TERMS ON APPLICATION.

FRAME FOOD CO., LTD., LOMBARD RD., BATTERSEA, LONDON, S.W.

BRAND & CO.'S MEAT JUICE.

IN BOTTLES,

Price 28/- per dozen.

Less the usual discount.

To H.R.H. The Prince of Wales, The Empress of Germany &c.

NESTLE'S Condensed SWISS MILK.

THE RICHEST IN CREAM.

PERCENTAGE OF BUTTER FAT.

Six Samples of NESTLÉ'S MILK bought at random at six different shops, and analysed by Mr. OTTO HEHNER, late President of the Society of Public Analysts, contained AN AVERAGE OF

13·13 per Cent. of BUTTER FAT.

Sample Tins sent free to the Medical Profession on application to HENRI NESTLÉ, 48 Cannon Street, London, E.C

MAKE YOUR OWN MINERAL WATERS.

See Pages 442 and 443, *Chemist and Druggist* Diary, 1897.

A great many Chemists, Hospitals, &c., are using this simple and most effective Plant, and producing splendid Aërated Waters.

SUPPLIED ONLY BY

THE VOLCANIC AËRATION CO., 203 Great College Street, LONDON, N.W.

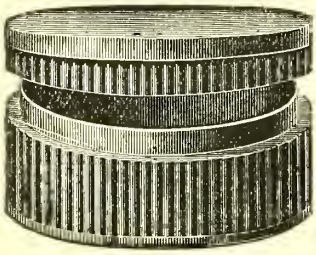
J. G. CHAPMAN, Proprietor.

A. MILLAR & CO., LTD., DUBLIN.

PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance _ith the Formula of the British Pharmacopœia.

THE "STIPENDUM" STOPPER CO., LIM.



47 LAMB'S CONDUIT ST., LONDON, W.C.

MANUFACTURE THE FOLLOWING SPECIALITIES—

"STIPENDUM" CORK STOPPERS, in all sizes.
"STIPENDUM" CORK-LINED CAPS, for Pomade Bottles.
"STIPENDUM" OPENERS, for Stoppered Aerated-water Bottles

"STIPENDUM" GREASE-PROOF COVERED POTS.

IN TERRA COTTA, CHOCOLATE, AND BLACK.

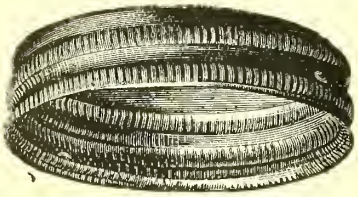
The Grease-Proof Covered Pots have perfectly-fitting lids, are practically unbreakable, and the only articles really answering the purpose intended

To be had of all Druggists' Sundriesmen. Wholesale only of the Company.

THE PATENT STOPPER, BOX & STAMP CO., LIM.

13 VICTORIA STREET, LONDON, S.W.

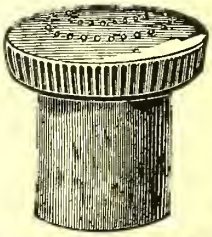
C. HOUGHTON BROWN,
Secretary.



SCREW CAPS OR CAPSULES.
Nickel, Zinc, Tin, or other Metal.

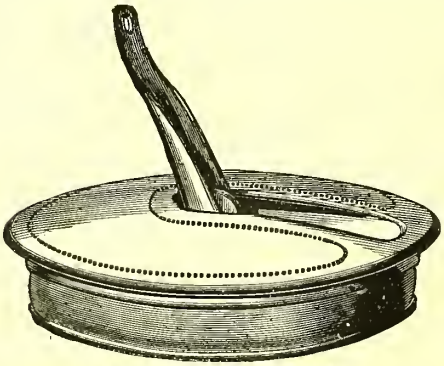
MANUFACTURERS of every description of

BOXES, STOPPERS,
POMADE & SCREW CAPS,
CAPSULES, &c., &c.

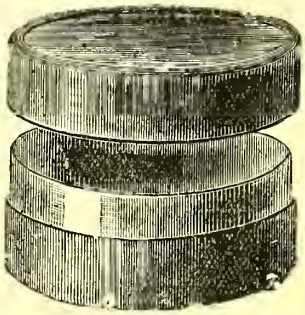


PATENT UNION STOPPER.

Patent No. 12711.
THE UNIQUE BOX.



PATENT LEVER STOPPER.



Patent No. 12711
THE UNIQUE BOX.

Samples & Prices for Wholesale Buyers on application.

DR TIBBLES' VI-Cocoa

THE WHOLESALE PRICE.

RETAIL PRICE.	PER DOZEN.
6d. Packets (Two Dozen in a box)	5/-
9d. Tins (Two Dozen in a box)	7/6
1/6 Tins (One Dozen in a box)	15/-

DISCOUNTS.

5 per cent. Discount on Orders up to £5.
7½ per cent. Discount on Orders for £5 and upwards.
Terms—Cash within 7 days.
Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3¾ to 6¼ per cent. better than can be obtained from any other source, whilst the merits of DR. TIBBLES' VI-COCOA are far greater than any other similar preparation in the world.

LIMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of DR. TIBBLES' VI-COCOA has been fixed as under:—

6d. Packets	to be sold	at	not less than	5½d.
9d. Tins	,,	,,	not less ,,	8½d.
1/6 Tins	,,	,,	not less ,,	1/4½

Full Prices to be obtained wherever possible.

FURTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

Furthermore, as we pay carriage on orders value £2 and upwards, it will **not be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.**

Read the foregoing, send your order to

DR TIBBLES' VI-Cocoa Ltd.,

60, 61, and 62 BUNHILL ROW, LONDON, E.C.

And obtain your fair share of the profits that are daily being made by our customers everywhere.

MASON'S EXTRACT of HERBS

Makes the Finest Beverage in the World.

FOR MAKING
NON-INTOXICATING
BEER
IMITATED, BUT NOT EQUALLED.

Good! it's Mason's.

One Table-spoonful of Mason's Extract of Herbs makes One Gallon of splendid Beer.

4 GOLD MEDALS

Do not be persuaded to buy any other kind, as the market is now flooded with vile rubbish, most of which contain no Herbs at all, and will not produce the same result. We guarantee ours to be COMPOSED OF HERBS.

HANDBILLS, SHOWCARDS, &c., ON RECEIPT OF BUSINESS CARD.

SOLE MAKERS—

NEWBALL & MASON

Telegrams— "Extract Nottingham."] **NOTTINGHAM.** [Telephone No. 1532.

AGENTS WANTED.

"Hall's Wine" Window Show Competition

£325 IN PRIZES

First Prize	-	£30
Second ,,	-	£20
Third ,,	-	£10
5 Prizes of £5 each		
20 ,,	£2	,,
100 ,,	£1	,,
200 Consolation Prizes of 10s.		

A number of our customers having requested us to have another Window Show Competition, we have pleasure to announce that we offer **£325**, divided into 327 prizes, as above. The experience of our first competition in 1895 has led us to slightly alter our conditions.

We shall send the same number of dummies and showcards to **every competitor**, and the prizes will be awarded to those who show the greatest artistic taste in their arrangement.

In the previous competition Mr. R. LEITHEAD, West Hartlepool, gained Second Prize with three dozen dummies; this number, therefore, will be sent to each competitor.

CONDITIONS.

Only retailers who stock "Hall's Wine" and have signed our non-cutting agreement can compete.

Competitors may use advertising matter other than that supplied by us.

The Judges will be the Staff of *Tit Bits* assisted by Sir GEORGE NEWNES, Bart., whose decision will be final, and the prizes will be awarded in strict accordance with artistic merit.

The proprietors will forward the dummies carriage paid.

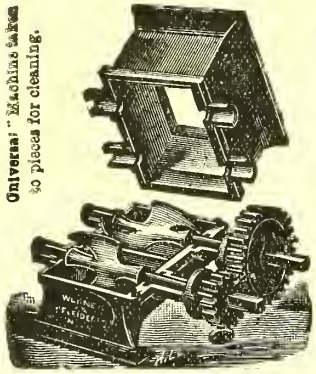
The Competition commences on August 23rd, 1897, and the window must remain dressed until September 6th, 1897.

Each competitor must forward a photo of his window, at his own expense, on the back of which his name must appear.

Applications for dummies, &c., must reach us not later than July 31st, 1897.

STEPHEN SMITH & CO. (LIM.),
Proprietors of "Hall's Wine."

Malmesbury Road, Bow,
London, E.



Size 3, Type I. for 1-lb. Mass

THE "UNIVERSAL"

Kneading & Mixing Machine,

Used by all the largest Pill Makers.

SUITABLE ALSO FOR

OINTMENTS, POWDERS, AND MASSES of any Consistency.

PILL MASSING MACHINES.

PILL PIPERS
CUTTERS,
ROUNDERS, COATERS
"SPIRAL BRUSH"
POWDER-SIFTERS
(WITH INTERCHANGEABLE SIEVES),
And every Accessory for the Pill Room.

WERNER, PFLEIDERER & PERKINS (LIMITED),
Head Offices & Showrooms—117 Queen Victoria St., E.C.
Works—43 Regent Square, Gray's Inn Road, W.C.
Contractors to the War Offices of all the Great Powers and other Governments

BUY THE BEST

OIL PUMP

AND SAVE

OIL, TIME, MONEY.

THOUSANDS IN USE.

This is a representation of our "WILLCOX" NEW SEMI-ROTARY PATENT PUMP, with Improved Taper Barrel Attachment. It is easy to work and simple in construction, and is admitted to be the best article in the market for Pumping Paraffin Oil and all kinds of Liquid from barrels or tanks into other receptacles

We hold a Large Stock, and can give Prompt Delivery.

Write for full particulars and prices of The "Willcox New Semi-Rotary" Patent Oil Pumps to

W. H. WILLCOX & CO.

34 & 36 Southwark Street,

LONDON, S.E.

SALVO PETROLIA

A SUPERIOR VASELINE.

May be procured through all Chemists and Druggists, and is Manufactured solely by the Proprietors,

THE DEE OIL COMPANY,
LIMITED,
Works: SALTNEY, CHESTER.

SALVO PETROLIA

Sanctioned by the Board of Trade Marine Department, and included in their instructions issued May, 1894, to superintendents of Mercantile Marine Offices.

Manufactured in five distinct qualities—WHITE, LEMON, YELLOW, GOLDEN, and RED (Veterinary).

Packed in tins 1, 2, 4, 5, 7, 10, 14, and 28 lbs., 56 and 112 lb. Drums, and 3 cwt. Barrels.

OLEUM DEELINÆ
(REGISTERED).

GENERALLY ADOPTED BY THE MEDICAL PROFESSION FOR

Ophthalmia, Scurvy, Ringworm, Eczema, and all Skin Diseases.

Packed in Cases—One dozen 1s. Bottles; One dozen 2s. Bottles. Pint Bottles 4s. 6d. each, for Hospitals and Dispensing Chemists Testimonials may be had upon application.

GERMOL

NEW AND POWERFUL DISINFECTING FLUID.
(NON-POISONOUS.)

More powerful than Carbolic Acid, and does not stain or burn in use.

"MICROBMORT" FOR SURGICAL USE.
GERMOL SANITARY POWDER.
GERMOL SHEEP DIP. GERMOL SOAPS.

Samples and Particulars on application to the Sole Manufacturers—

READ HOLLIDAY & SONS, LIMITED,
HUDDERSFIELD, ENGLAND, & NEW YORK, U.S.A.

34

HUNDREDS OF
GARDNER'S PATENT

'RAPID' SIFTERS & MIXERS

Now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced. All being done at one operation.

Prices from 50/- to £90. [4]

WM. GARDNER, Engineering Works, GLOUCESTER.

PETER TYRER'S 1D. LINES

CHEMISTS SAVE TIME AND MONEY

By selling my "Plain Label"* Lines. Should remit prices quoted for sample ¼-gross lots. If not satisfactory I will pay carriage back, and return cash.

***PENNY PETROLEUM JELLY** Per gross
In ¼-gross tin boxes .. .. 5/-; double size, 7/-

PENNY CEMENT *(largest and best)*
On ¼-gross cards 5/3

***PENNY SEIDLITZ POWDERS**
½-gross glass-top boxes .. .. at 6/-

***SALINE POWDERS**
½-gross glass-top boxes .. .. at 2/9

PENNY LIQUID GLUE
On ¼-gross cards .. .. at 5/3

***PENNY GUMS**
In 1-dozen parcels .. .. at 6/3

***PENNY GLYCERINE**
½-gross glass-front boxes .. .. at 6/6

***PENNY CASTOR OIL**
½-gross glass-front boxes .. .. at 6/-

***PENNY BLACK INK**
In 1-dozen parcels .. .. at 4/3

***GOLDEN PETROLEUM JELLY** Per doz.
4-oz. glass, metal screw cap 3/-
8-oz. " " 5/-
This is warranted pure, and is a thoroughly good line.

***PENNY HAIR OIL** Per gross
In 1-dozen parcels .. .. at 5/9

PENNY FURNITURE CREAM
In 1-dozen parcels .. .. at 6/9

PENNY INSECT POWDER
In perforated tins .. .. at 4/6

***PENNY MENTHOLS**
On ¼-gross cards .. .. 6/9 and 7/6

***PENNY** *(Tasteless)* **PILLS**
6 in a box, ¼-gross cards 4/6

SPECIAL NEW LINE.

***PENNY** *(Tasteless)* **PILLS**
4 Pills in a box, ¼-gross cards 3/9

***PENNY SOOTHERS**
Black Teats, fitted complete with Shield, Union, and Cord, on ¼-gross cards at 7/-; this is a good line, and sells freely.

***PENNY TOOTH TINCT.**
With Wool complete, ¼-gross cards 5/6

"I appeal to every sensible person."

SAUCES.

See Special Price List.

***PENNY CORN SOLVENT** Per gross
On ¼-gross cards 5/6

PENNY CAMPHOR SQUARES
¼-gross boxes 7/-

***FULLER'S EARTH POWDER**
1*d.* Boxes, in ¼-gross glass-top boxes 3/6

***VIOLET POWDER**
1*d.* Boxes, in ¼-gross glass-top boxes 4/

***GOLD-BEATER'S SKIN**
1*d.* Packets, on ¼-gross cards 3/6

***COURT PLASTER**
1*d.* Packets, on ¼-gross cards (Black, White, or Pink) 4/-

***TOOTH ENAMEL**
(Gutta Percha Enamel for Stopping Decayed Teeth.)
1*d.* Packets, on ¼-gross cards.. .. .. 4/-

For sums under £1 please remit Postal Order, not Cheque, and oblige, [3]

PETER TYRER, 30 Southall Place, Long Lane, **LONDON, S.E.**

PRINCE ALBERT'S CACHOUX

HIGHEST AWARD COLUMBIAN EXPOSITION, CHICAGO, 1893.

These Cachoux are supplied only in Brass Boxes, of which there are three sizes.

No. 4's at 3/6 doz. (*Export*).
No. 5's at 4/- doz. (*Home Trade*).
No. 6's at 7/- doz.

SUBJECT TO TRADE DISCOUNTS.

All Labels, Titles, and Trade Marks registered in Europe and America

"BENZINE RECT."
JACKSON'S.

SIXPENNY & SHILLING SIZES,
4s. and 8s. per dozen.

A Genuine Benzol.

JACKSON'S CEMENT
Chinese Diamond.
It has stood the test of time in all quarters of the globe.
In Bottles at 3/6 and 7/- per dozen.

ADHESIVE, TENACIOUS AND KEEPS WELL.

JACKSON'S LIQUID GLUE.

SIXPENNY and SHILLING Sizes, at 3/6 and 7/- per doz.
BRUSHES INCLUDED. (B

SPECIALITIES FROM THE LABORATORY OF THOMAS JACKSON, Strangeways, MANCHESTER.

GUEST & CO.

CITY WORKS, CARRUTHERS STREET, MANCHESTER.

MAKERS OF MEDICATED LOZENGES AND JUJUBES.

B.P., T.H. Ph., and General Proprietary Lozenges. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all other Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

TELEPHONE 235. TELEGRAMS "GUESTO."

HILLABY'S HIGH-CLASS LIQUORICE.

SUPPLIED IN HANDSOME ENAMELLED TINS.

Opinions of FREDERICK DAVIS, Esq., B.Sc., Member of the Society of Chemists, Newington College of Chemistry, 26 and 28 Newington Causeway, London, S.E.

"Liquorice Wafers of singular purity, consisting of Liquorice extract and Pectin, possessed of very delicate flavour; and I am further of opinion they are especially adapted for children and others requiring the demulcent and emollient principles of the liquorice plant in a palatable and convenient form."

"Liquorice Pellets having the following percentage composition:

Extractive 87, Water 13 = 100,

and containing no foreign colouring matter of any kind; and I am further of opinion the extractive is that obtained from the plant Glycyrrhiza glabra, and that the "Pellets" are exceptionally rich in the active principle glycyrrhizin, which by its demulcent and soothing properties to the vocal organs should prove of especial value to public orators and members of the dramatic profession; being of small size, they may be easily carried in the pocket."

"Liquorice and Malt Lozenges which upon chemical examination prove to consist of the finest extract of liquorice combined with malt extract, the latter exceptionally rich in diastase, rendering these lozenges of great value both as a nutritive and demulcent agent; and I am also of opinion a better preparation of Liquorice and Malt cannot be obtained, being a palatable, nutritious, and compact sweetmeat. These lozenges should be of especial value to public speakers, singers, Members of Parliament, and others requiring a sustaining and demulcent combination during lengthy speeches or dramatic recitals."

WRITE FOR SAMPLES AND PRICES TO

JOHN HILLABY, LION WORKS, PONTEFRACT.

SPECIAL NEW LINE

IN

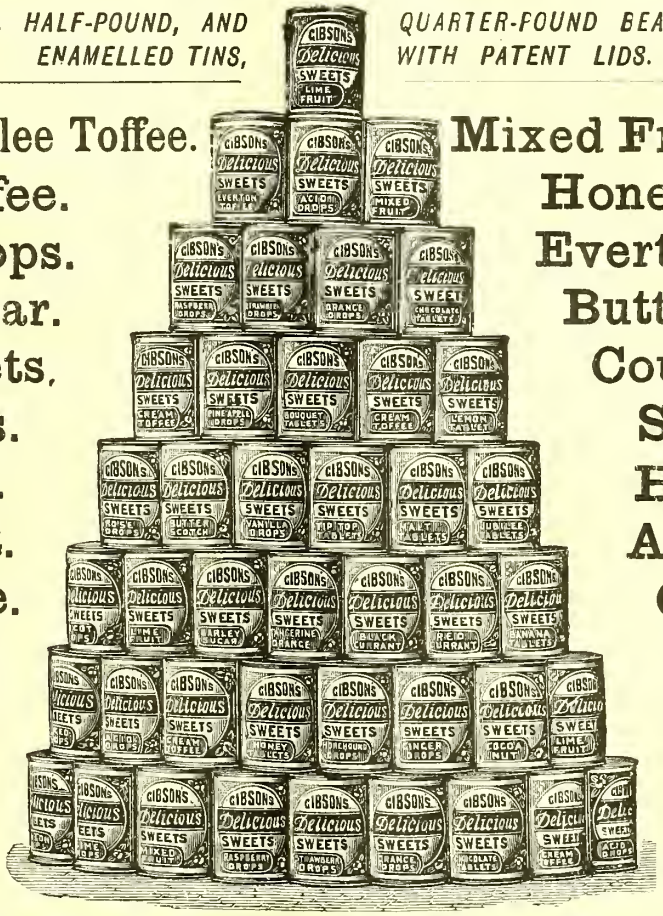
GIBSON'S

CELEBRATED SWEETS.

ONE POUND, HALF-POUND, AND ENAMELLED TINS,

QUARTER-POUND BEAUTIFULLY WITH PATENT LIDS.

Diamond Jubilee Toffee.
Cream Toffee.
Lemon Drops.
Barley Sugar.
Malt Tablets.
Pear Drops.
Mint Rock.
Lime Fruit.
Pine Apple.
Raspberry.
Damson.
Ginger.
Musk.
&c., &c.



Mixed Fruit Drops.
Honey Tablets.
Everton Toffee.
Butter Scotch.
Cough Drops.
Strawberry.
Horehound.
Acid Drops.
Greengage.
Chocolate.
Orange.
Cherry.
Rose.
&c., &c.

For many years these goods have been shipped abroad only in bottles; now the firm have decided to pack them in 1-lb., ½-lb., and ¼-lb. tins at 7/6, 4/6, and 2/9 per dozen respectively to the Retail trade, special terms being made with Wholesale buyers. Messrs. GIBSON & SONS believe by offering their **WORLD-RENOWNED BOILED SUGARS** in portable, unbreakable packages, beautifully enamelled, they will not only enormously increase their own business, but supply a long-felt want to buyers abroad, and remove at once the only obstacle standing in the way of everybody being able to stock these goods without the slightest fear of sustaining any personal loss.

Indents may be filled and sent direct to the Works, MANCHESTER, to the Firm's LONDON WAREHOUSE—

1 GLASSHOUSE YARD, ALDERSGATE STREET,

Or to any LONDON SHIPPERS.

Harvey's Horse Remedies

HARVEY'S ACONITE POWDERS,
For Chronic Cough, Broken Wind, Roaring, &c.

HARVEY'S WORM AND CONDITION POWDERS.

HARVEY'S WATTS' EMBROCATION,
or Curb Bottle.

HARVEY'S WATTS' RED LOTION,
For Wounds.

HARVEY'S HAIR RESTORING OINTMENT.

HARVEY'S EDOS, or Tasteless Purging Powder.

These Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of Private Horse Owners in the United Kingdom and abroad.

FULLY DESCRIBED IN
"THE HORSE OWNER'S HANDY NOTE BOOK."
96 PAGES. *POSTED FREE.*

Illustrated Pamphlets, and also Neat Booklets with Chemist's name on, supplied on application.

For Trade Prices see the Lists of the Wholesale Houses, or write for Cash Price List to the ole Proprietors,

HARVEY & CO.
6 Bachelor's Walk,
DUBLIN.

Telegraphic Address—
REMEDIES, DUBLIN.

Profitable Extras for Chemists.

TOBACCO, CIGARS, CIGARETTES.

AND TOBACCONISTS' FANCY GOODS.

All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices
Every Smoker's Requisite and all Novelties—Up to Date—in one order.

MINIMUM OF TROUBLE—MAXIMUM OF PROFIT.

SEND FOR ILLUSTRATED PRICE LIST (200 PAGES), POST FREE.

SINGLETON & COLE, BIRMINGHAM

THE WANT OF THE DAY!

NO MORE SOFT LINEN WHEN STARCHED.

Used in the Royal Laundries.
Should be used in Every House.

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.

CRITCHLEY'S STARCH GLOSS
Registered No. 40376.

Once Tried, Always Wanted.
Makes Old Linen Like New.

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug 29, 1879. SIR,—Having tried your "STARCH GLOSS," I certainly think it a great improvement—far superior to any I have tried. Yours truly,
To Mr. CRITCHLEY. E. ELDER.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY
T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, **BLACKBURN.**
LONDON DEPOT—107 WHITECROSS STREET, E.C.

THE NEW PERMANENT
ENGRAVED WINDOW TABLETS

PRIZE MEDAL, International Health Exhibition, 1884.

IN
RUBY, BLUE, AMBER, AND OPAL GLASS.

AWARD OF MERIT, International Sanitary Exhibition, 1881.

Send particulars of size, subject matter, and colour, when price for one Tablet and upwards will be sent.
For Proprietary Articles, 100 8 × 6 Ruby Tablets, £3 15s. 0d.

J. R. CORSAN, THE LONDON SAND-BLAST WORKS, **58A GRAY'S INN ROAD, W.C.**

TO PREVENT FRAUD DEMAND BUSINESS CARD FROM TRAVELLERS.

THE CELEBRATED

PAPIER MOURE

OR, FRENCH CHEMICAL PAPER.

GUARANTEED NOT TO CONTAIN ANY OF THE SCHEDULED POISONS.

Price per 1,000 ... ... 20s.
6d. Books, containing 16 Leaves ... 4/- per doz.
3d. „ „ 8 „ ... 2/- „
5% off Monthly Account.

Not less than £5 worth, 10% off Invoice and 5% off Monthly Account.
„ „ £10 „ 15% „ „ 5% „ „

For Original of the annexed, see "PUNCH," August 8th, 1857.

"Death to the Flies!"

So oft I've said, Ah, drat the flies! - and now at last my prayers is granted;
For at the chemist's shop you buys the very thing I always wanted:
That "PAPIER MOURE"; and blessed be whoever found out that invention,
Which is a secret as you see the shopkeepers decline to mention.

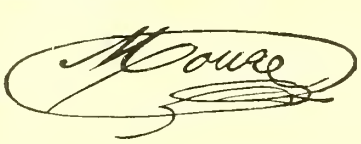
Like blotting paper it appear—a sort of greyish reddish tinted,
With wopses, flies, and insects queer, and forin language on it printed;
You takes and puts a little bit into a saucer or a basin,
A drop of water pours on it, and sets it some convenient place in.

They buzzes into it, bizwiz, attracted by the hopes of suction;
And I can truly tell you 'tis their certain death and sure destruction.
No dirty, dauby, plaguy mess, all smeary, treacly, fulsome, sticking,
Nor none of that unpleasantness to see the nasty creatures kicking.

They comes and drinks, away they flies; you sees no more of them there ribels,
Out of your sight they goes and dies, like rats and mice that pison nibbles.
"Catch-'em-alive-o's!"—fiddlestick! I say, let them speak as have tried 'em;
To kill the swarming divils quick, they ain't for to be named 'longside 'em.

Which also, though they're pison rank to flies and all sich-like Philistians,
Don't injure cats, which goodness thank, and has'nt no effect on Christians.
At least they say so—as to that, they may or mayn't hurt one nor t'other;
I wouldn't try 'em on my cat if I could try 'em on another.

Ask for PAPIER MOURE, and be careful that each sheet bears the signature—



Sole Agents for Great Britain and Ireland and the Colonies.

WHOLESALE BY

S. MAW, SON & THOMPSON, 7 to 12 Aldersgate Street, LONDON.

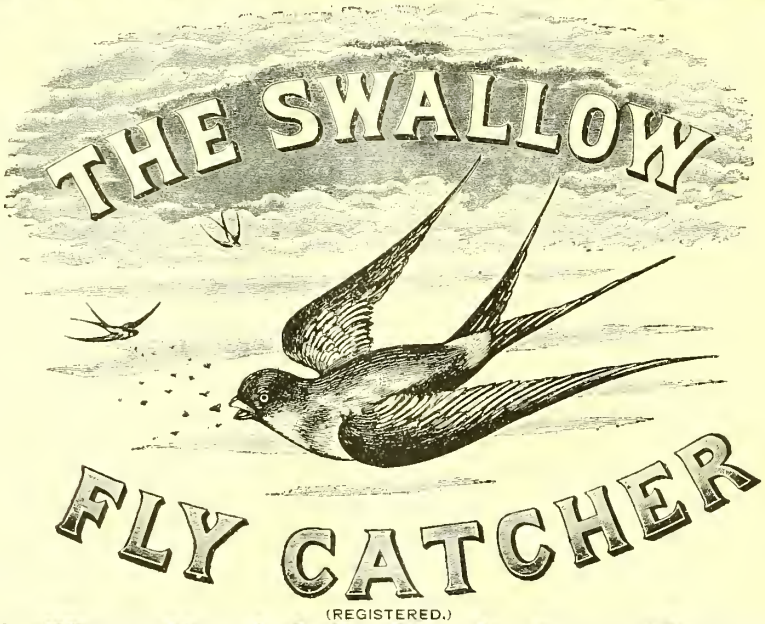
A LIBERAL SUPPLY OF HANDBILLS, AS ORIGINAL FROM "PUNCH."

FORD, SHAPLAND & CO., CHEMISTS' AND GENERAL PRINTERS, LITHOGRAPHERS, ENGRAVERS, &c.,
6 GREAT TURNSTILE, HIGH HOLBORN, LONDON, W.C.

STICKY FLY PAPERS

"DEMON"
FLY LURE
(Registered).

"Advertisement"
FLY
PAPER.



Superior to all others.

ALSO
Chemically Prepared Fly Papers
Samples and Prices on application.

WHITE BEESWAX,

WARRANTED PURE. BLEACHED BY SUN.

RECOGNIZED AS THE STANDARD IN THE UNITED STATES.

Write for Sample and Quotation, naming quantity desired.

THEODOR LEONHARD, PATERSON, NEW JERSEY, U.S.A.
ESTABLISHED 1852.

W. F. SMITH'S
PILE POWDERS
(Price 1/1½, Treble Box 2/9; by Post 15 or 33 Stamps)
Are proved by many years' extensive experience a most Rapid Cure for Piles and Preventive of Fistula.

This Remedy may be implicitly relied on.

PREPARED ONLY BY
W. F. SMITH, M.P.S.,
280 WALWORTH ROAD,
And Sold through the usual London Houses "universally" by Patent Medicine Vendors.

NAN-SEN
AN ENGLISH CACHOU.
SELLS AT TASTE!!

18/- per Gross of Packets. Retails at 3d.
Compare price to other makes, and you will send your orders for
"CARMICHAEL'S"
From any Wholesale House in London; failing this write direct to
158 NEW BOND STREET, W.

TO PREVENT DISAPPOINTMENT ORDER EARLY.

THE "FLY CEMETERY"

BY ROYAL LETTERS PATENT.

NON-POISONOUS!

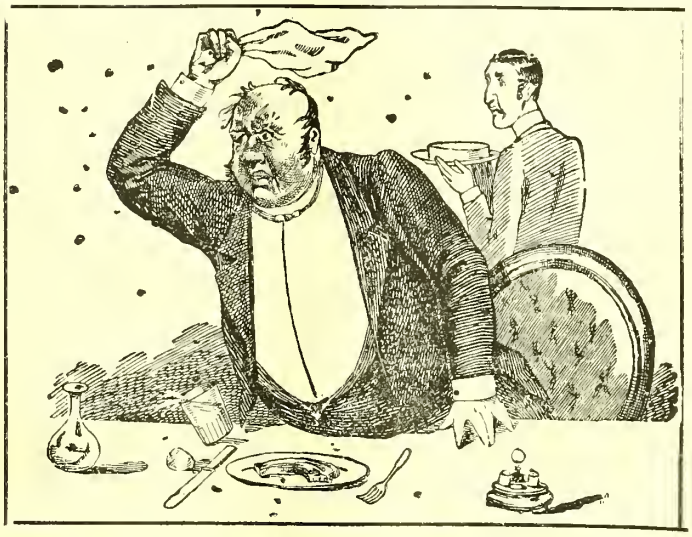
The Original and by far the BEST Sticky Fly Paper in the market.

ANNUAL SALE MILLIONS.

END OF SEASON.

This Gentleman would NOT stock the "Fly Cemetery."
RESULT:
DISAPPOINTMENT.

Catches more Flies in a day than the old-fashioned Papers do in a week.



PRICE ONE PENNY.

Well known in every Household in the Kingdom.

Bears Large Profits.

The immense popularity of the **"FLY CEMETERY"** with the public has had the usual result attending the introduction and prosperity of all genuine articles in raising up a host of *imitations*, which for the most part disappoint the purchaser. We therefore warn our friends not to be misled by specious announcements, but when they order Sticky Fly Papers to insist upon having the **"FLY CEMETERY."**

SOLD BY ALL THE LEADING WHOLESALE HOUSES.
LIBERAL TERMS

IMPORTANT NOTICE.

In order that our Customers may not suffer any loss through deterioration of Stock kept during the Winter, we are willing to Exchange any thus left over for Fresh Stock at the commencement of a new Season. We only ask our friends to assist us by ordering judiciously, especially towards the latter part of the Season.

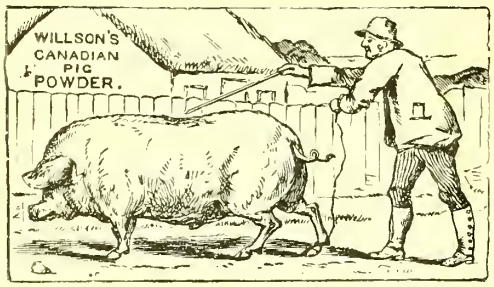
END OF SEASON.

This Gentleman DID stock the "Fly Cemetery."
RESULT: GOOD BUSINESS.

SAMPLES AND TESTIMONIALS FROM

TUNBRIDGE & WRIGHT, MANUFACTURERS, READING.

North of England Depot: 4 GALLOWGATE, NEWCASTLE-ON-TYNE. Telegrams: "FLIES READING."



TRADE MARK—"The Pig that went to Market."

WILLSON'S

CANADIAN PIG POWDERS

HAVE THE LARGEST SALE.

They CURE and PREVENT all the DISEASES of PIGS.

KEEP THEM HEALTHY AND THRIVING.

Are the only Pig Powders exhibited at ELEVEN Consecutive Royals.

Hold testimonials from the most successful Breeders and Prize Winners in the World—viz., Mr. Sanders Spencer, Mr. Alfred Darby, Mr. Pettit, Mr. Arthur S. Gibson, Mr. Buss, Mr. Barnes, &c., &c.

STOCKED BY WHOLESALE HOUSES.

Sold Retail in sealed packets at 6d., 1/-, 2/9, and 8/-

SOLE MANUFACTURER—

STEPHEN WILLSON, Peterborough, ENGLAND

CORRESPONDENCE INVITED.

DUSSEK BROS. & CO.

MANUFACTURERS OF

SANITARY FLUID

Of all strengths, soluble in water to any extent, forming a milky solution.

CARBOLIC ACIDS

Crude and pale, of all strengths.

CARBOLIC POWDERS

All Colours, containing 5%, 10%, 15% genuine Carbolic Acid. Packed in Casks, Bags, and Tins of all sizes.

PATENT 'SANO' FLUID

A superior Disinfectant for Hospital and indoor use. Soluble in Water.

COAL TAR & ROSIN PRODUCTS, GREASES, OILS, VARNISHES, DUBBIN, AND PITCH of all kinds.

DUSSEKS WHARF, VERNEY ROAD, S.E.

Telegrams "DUSSEK LONDON." Telephone No. 8,239.

DAY, SON & HEWITT.

Largest Makers in the World of

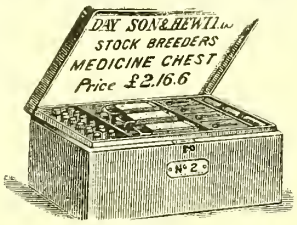
HORSE AND CATTLE MEDICINES

For Kicks, Cuts, Bruises, Sore Withers, Swellings Strains of Ligaments and Tendons, Saddle Galls &c. It rapidly relieves Straining and Paining after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2/6, 3/6, and 7/- per Bottle.

For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and checking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of milk Fever.

Price Cows), 18/- per doz. box; (Ewes), 3/6 per doz. 3-doz. box, 10/-



Complete in 3 sizes. Sent Carriage Paid.

Prices—

£6 6s., £2 16s. 6d., and £1 3s. 9d.

Liberal Discounts to Agents and Foreign Buyers.

Trade Terms and full particulars on application.

Attractive Showcards and Handbills sent with each order.

A sure remedy for the Fret, Colic or Gripes, Influenza, Loss of Appetite in Horses. For Debility Scour, or Diarrhœa in Horses, Cattle, and Sheep Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.

For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Off Appetite, Staring Coat, and Sluggishness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug and can be given at all times to all breeds of horses without stopping their work.

Price 5/6 per doz. Packets; 3-doz. 15/-

Sold also at reduced rates in Tins 10/6 and £1 each.

Royal Animal Medicine Manufactory, 22 DORSET STREET, LONDON, W. [Established 1833.]

PUSH??

You say you do. But do you buy at prices that will enable you to push successfully? That is the great and difficult question of to-day.

The answer is very easily given. It is simply, Send to

FLEMING'S OIL AND CHEMICAL COMPANY, LIMITED

for an Original Keg of their guaranteed pure

INSECT POWDER FROM CLOSED FLOWERS.

Their prices cannot be resisted. Samples and Quotations on application.

Drugs, Chemicals, Hotel Specialities (Double Cross Brand), Packed Drugs, &c., all of A1 quality at lowest prices.

MIKADO MOTH PAPER.

Specially adapted for Folded Cloths, closely-packed articles, &c. 1*s.* per box.

ALABASTRINE TABLETS.

For placing in Wardrobes, Chests, Cupboards, &c. 1*s.* per box.

CRYSTALLISED CAMPHYLENE

For scattering under Carpets, into Crevices, amongst Furniture, &c. 1*s.* per tin.

LIBERAL DISCOUNT GIVEN TO WHOLESALE BUYERS AND RETAILERS.

Procurable through all Wholesale Houses, or direct from the Sole Manufacturers—

FLEMING'S OIL & CHEMICAL CO., LIM., 101 LEADENHALL STREET, E.C.

THE

FLYODOOMO

FLY STICKERS

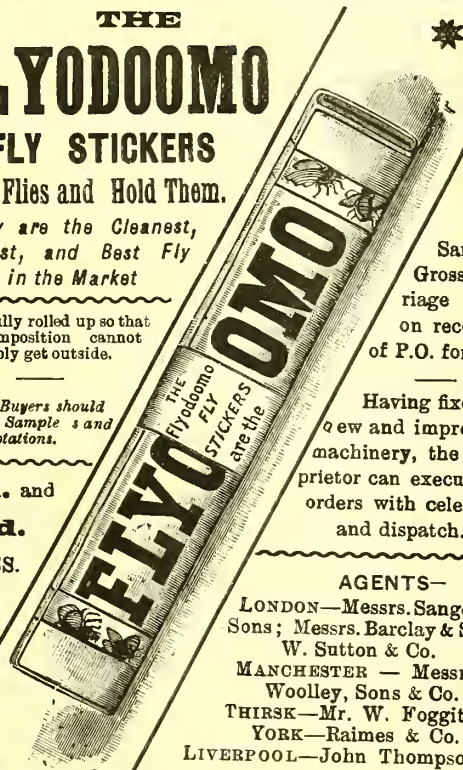
Catch Flies and Hold Them.

They are the Cleanest, Stickiest, and Best Fly Papers in the Market

Carefully rolled up so that the Composition cannot possibly get outside.

Large Buyers should write for Samples and Quotations.

½d. and 1d. SIZES.



Sample Gross, Carriage Paid on receipt of P.O. for **5/-**

Having fixed up new and improved machinery, the proprietor can execute all orders with celerity and dispatch.

AGENTS—
LONDON—Messrs. Sanger & Sons; Messrs. Barclay & Sons; W. Sutton & Co.
MANCHESTER — Messrs. Woolley, Sons & Co.
THIRSK—Mr. W. Foggitt.
YORK—Raimes & Co.
LIVERPOOL—John Thompson.

JOHN H. SMITH
NEWARK-ON-TRENT.

COPYRIGHT.

5/- per gross, Carriage Paid. Cash must accompany order
Samples free, CHRISTY STRONG, READING.

95 MEDALS AWARDED.

JEYES' FLUID

THE NON-POISONOUS DISINFECTANT.

A TRUE GERMICIDE & DEODORISER,

Somewhat less refined than **CREOLIN**, the virtues of which are

RECOGNISED BY MEDICAL AUTHORITIES ALL OVER THE WORLD

Jeyes' Fluid and its Preparations

SHOULD BE RECOMMENDED BY THE CHEMIST EVERYWHERE WHO DESIRES TO SUPPLY ONLY RELIABLE ARTICLES.

PRICE LIST

(ABBREVIATED).

Jeyes' Fluid.

Retail Prices s. d.		Trade Prices s. d.	
0 6	Sixpenny Bottles (bottles included)	4 0	per doz.
1 0	Shilling " " "	7 0	"
3 6	½-gall. Iron Drums (drums included)	2 6	each
6 0	1-gall. Drums	4 6	"
11 6	2-gall. "	8 6	"
28 6	5-gall. "	20 0	"
55 0	10-gall. "	38 6	"
Per gall.			
5 0	20 & 40 gallon Casks (casks free, not returnable)	3 6	per gall.
1 1½	UNIVERSAL PERFECT PURIFIER (in bottles)	8 6	per doz.

Sanitary Powder.

1 0	each Canisters, in boxes of 1, 2, or 3 doz.	7 0	per doz.
0 6	" " " " "	4 0	"

(Also in Casks and Bags.)

Disinfectant (Brown) Soap or Household (White) Soap.

No. 1 QUALITY.—In 1-lb. Bars, papered.

In 1-cwt. Boxes .. .. 29 0 per cwt.

(Also in Small Packages.)

No. 2 QUALITY.

In 1-cwt. Boxes .. .. 23 0 per cwt.

(Also in Small Packages.)

In 3-lb. Bars, 2s. per cwt. less.

Triple Milled Toilet Soaps.

Elegant Tablets for the Toilet, of finest quality, containing the Antiseptic Properties of "Jeyes' Fluid."

Retail Prices Per box s. d.		Trade Prices s. d.	
1 6	"Perfect Purifier," 6 Tablets	12 0	per doz.
1 6	"Coal Tar," 6 Tablets	12 0	"
2 0	"Old Brown Windsor," 12 square Tablets	18 0	"
0 6	"Special Line," 3 Tablets	4 6	"
2 6	"Toilet" (Scented), 6 Tablets	21 0	"
2 6	"Sublime Toilet" (Unscented), 6 Tablets	21 0	"
2 0	"Boudoir Tablets" (Perfumed), 3 Tablets	16 0	"
5 0	"Transparent Complexion," 12 Tablets	36 0	"
1 0	"Transparent Soap," 3 tablets	8 0	"
2 0	"Senalia," 4 Tablets	18 0	"

N.B.—The first three varieties supplied also in 7-lb. deal Boxes. Customers' Names stamped on Tablets if sufficient quantity ordered.

Toilet Preparations.

Each			
1 0	Shaving Stick, in Cardboard Box	8 0	per doz.
6 0	Tooth Powder, in 1-lb. Bottles	48 0	"
1 0	" " Metal Box	7 0	"
0 6	" " "	4 0	"
0 6	Tooth Soap	4 0	"
2 0	Dentifrice Water, in Bottles, with Sprinkler	15 0	"
1 0	" " " " "	8 0	"
1 0	Lano-creolin, 5% Antiseptic, in Tubes	9 0	"
0 6	" " " " "	4 6	"
3 0	" " " " Large Tubes	24 0	"
6 0	" " " " 1-lb. Jars	48 0	"
1 6	Antiseptic Ointment, 10% Antiseptic, in China Pot	12 0	"
0 9	" " 20% Antiseptic, in Metal Box	8 0	"
3 6	Spray Diffuser, in Box complete	30 0	"

BRANALCANE.

FOR DIPHTHERIA AND DISEASES OF THE MUCOUS MEMBRANE AND SKIN.

In 1-oz. bottles at 9½d., 3-oz. bottles.

Sheep Dip, Wood Preserver, and other Agricultural Preparations.

TERMS, 2½ PER CENT. DISCOUNT AT ONE MONTH.

All Goods Delivered Free in London. For the Country, Free at any London Railway Station or Wharf.

FULL PRICE LIST ON APPLICATION.

"Indispensable" Automatic Toilet Boxes, filled with Toilet Paper Sanitised with Jeyes' Fluid.

	Trade.
Polished Walnut Wood Boxes	27/6 per doz.
Embossed Board Boxes	9/6 "

Retail.		Trade.
6d.	The Antiseptic Toilet Paper	4/6 per doz.

JEYES' SANITARY COMPOUNDS CO., LTD., 64 CANNON ST., LONDON, E.C.

CAPSULED "McK. & R." PILLS

McKesson & Robbins : Originated 1870 : New York.

WHY SHOULD THE "McK. & R." PILLS BE PRESCRIBED?

1. Because they are prepared from materials of the highest quality only.
2. Because they are made according to the B.P. or other Standard Authorities, and therefore al the combinations are well tried and of recognised value.
3. Because they are taken pleasantly—being tasteless—and readily, being ovoid in form.
4. Because they are not subjected at any stage of preparation to the injurious action of heat.
5. Because the coating of *pure transparent gelatine* preserves the contents from oxidation.
6. Because they are always soluble, and the contents soft and quickly disintegrated.

LIST OF PRINCIPAL CAPSULED PILLS.

Aloes, all the B.P. combinations..... 5 gr.
Alo s, Dilute (Dr. Hall Dinner Pill)..... 4 gr.
Aloes Barb.
Saponis Pulv.
Pulv. Ext. Glycyrrh.
Theriaca, āā..... 1 gr.
Aloes and Nnx Vomica—
Aloes Soc. ..... 1½ gr.
Ext. Nucis Vom..... ½ gr.
Aloin ..... $\frac{1}{10}$, ¼, ½, 1 gr.
Aloin, various combinations.
Anti-Dyspepsia (Fothergill)—
Stryohninæ ..... $\frac{1}{10}$ gr.
Pulv. Piper Nig. ..... 1½ gr.
Pulv. Ipecac..... 2-3 gr.
Ext. Gent..... 1 gr.
Arsenious Acid..... 1-20, 1-50 gr.
Asafœtida, U.S. and B.P. ..... 5 gr.
Atropine ..... 1-100, 1-300 gr.
Blue Pill, B.P. ..... 1, 2, 3, 5 gr.
Blue Pill, with Colocynth and Hyoscyam... 5 gr.
Calcium Sulphide ..... 1-10, 1-4, 1-2, 1 gr.
Calomel, Colocyn., and Hyosc..... 5 gr.
Calomel Co., B.P. ..... 5 gr.
Camphor and Hyoscyam..... 2 gr.
Camphoræ
Ext. Hyoscy., āā ..... 1 gr.
Cannabis Indica ..... 1-4, 1-2 gr.
Cascara Sagrada..... 3 gr.
Cathartic Comp., U.S.P.
Ext. Jalap ..... 1 gr.
Ext. Coloc. Co..... 1 1-3 gr.
Hyd. Subchlor. ..... 1 gr.
Gambog. ..... 1-4 gr.
N.B.—The ready solubility of the "McK. & R." Pills is readily proved by taking a dose of these.
Colocynth Comp., B.P..... 4, 5 gr.
Colocynth, other combinations.
Copaiba Compound—
Cubebæ Pulv. ..... 2 gr.
Ferri Sulph. Exsic..... 1-2 gr.
Mass. Copaib. ..... 1 gr.
Tereb. Venet..... 1 1-2 gr.
Corrosive Sublimate..... 1-30, 1-20, 1-10 gr.
Croton Oil..... 1-2 gr.
Diuretic—
Ext. Buchu, Potass. Nitrat..... 1 gr.
Scillæ Pulv. ..... 1-2 gr.
Emmenagogue—
Ferr. Sulph. Exsic. ..... 1 1-2 gr.
Thus, American ..... 1 1-2 gr.
Aloes Socot. ..... 1-2 gr.
Ergotin ..... 3 gr.
N.B.—Each Pill = 30 gr. ergot or 30 ms. fl. extract. This form is more reliable and uniform in effect and more agreeable than the liquid preparations.
Euonymin ..... 2, 3 gr.
Iodoform and Iodoform with Iron..... 1 gr.
Ipecac. ..... 1-4, 5 gr.
Ipecac. Co. ..... 5 gr.
Ipecac. and Squill, B.P. ..... 5 gr.
Iron Pill, B.P. Add. ..... 3, 5 gr.
Iron Arseniate..... 1-8 gr.
Iron reduced by Hydrogen (Quevenne).. 1, 4 gr.
Iron and Quinine Citrate..... 2 gr.
Laxative, Vegetable—
Res. Podoph.
Ext. Hyoscy.
Ext. Tarax., āā..... 1-4 gr.
Ext. Coloc. Co. ..... 1 gr.
Jalapæ
Res. Leptand. āā..... 1-2 gr.
Ol. Menth. Pip.
Mercury, Biniodide ..... 1-16 gr.
Mercury, Proto-iodide.... 1-20, 1-16, 1-8, 1-4 gr.
N.B.—Made from the absolutely pure *yellow* impalpable powder, free from mercury and from biniodide.
So-called "green" proto-iodide contains uncombined mercury.
Mercury with Chalk ..... 1 gr.
Morphine Muriate ..... 1-8, 1-4 gr.
Nitro-Glycerine ..... 1-200, 1-100, 1-50 gr.
Opium ..... 1 gr.
Opium and Camphor..... 1 gr.
Opii Pulv..... 1 gr.
Camphoræ ..... 2 gr.
Pepsin, Pure ..... 1 gr.
Phosphorus ..... 1-100, 1-50, 1-30 gr.
N.B.—In no kind of Pill are the advantages of the "McK. & R." method better exemplified or more in request. No other brand of Phosphorus Pills is equally reliable for the administration of the unoxidised medicament.
Phosphorus and Iron—
Phosphor. Pur. ..... 1-50 gr.
Ferr. Redact. ..... 2 gr.
Phosphorus, Iron, and Quinine—
Phosphor. Pur. ..... 1-100 gr.
Ferri Carb. ..... 1 gr.
Quininæ Sulph. ..... 1 gr.
Phosphorus and Nux Vomica—
Phosphor. Pur. ..... 1-50 gr.
Ext. Nucis Vom..... 1-4 gr.
Phosphorus and Quinine—
Phosphor. Pur. ..... 1-50 gr.
Quininæ Sulph. ..... 1 gr.
Phosphorus and Valerianate of Zinc—
Phosphor. Pur. ..... 1-50 gr.
Zinci Valer. ..... 1 gr.
Picrotoxin ..... 1-80 gr.
Podophyllin ..... 1-8, 1-4, 1-2 gr.
Quinine, Bisulphate .... 1-4, 1-2, 1, 2, 3, 4, 5 gr.
Quinine, Sulphate ..... 1-4, 1-2, 1, 2, 3, 4, 5 gr.
Quinine Co. (Anti-Malarial).
Largely prescribed in America with excellent results.
Rhubarb Comp., B.P. ..... 5 gr.
Rhubarb with Blue Pill ..... 5 gr.
Salicylic Acid ..... 2, 5 gr.
Soap Comp., B.P. ..... 5 gr.
Squill Comp., B.P. ..... 5 gr.
Strophanthus ..... 1-20, 1-4 gr.
Strychnine ..... 1-50 gr.
Tonic Laxative (Fothergill)—
Quininæ Sulph. ..... 2-3 gr.
Strychn. ..... 1-30 gr.
Ferri Redact.
Ext. Bellad., āā ..... 1-4 gr.
Valerianates, Iron, Quinine, and Zinc.
Warburg's Tincture and the same without Aloes.
Each Pill = 1 fl. drm. of the Tincture.
Zinc Phosphide ..... 1-4, 1-2 gr.
Zinc Valerianate ..... 1 gr.

Special Combinations of 3,000 or more Pills made and Capsuled to order for Hospitals, &c., at Special Quotations.

London Agency:—Messrs. S. Maw, Son & Thompson, 7 to 12 Aldersgate St., E.C.

ALSO SUPPLIED BY

MESSRS. BURROUGHS, WELLCOME & CO., Snow Hill Buildings, London, E.C.;
MESSRS. GRIMWADE, RIDLEY & CO., 82 Bishopsgate Street, London, E.C.

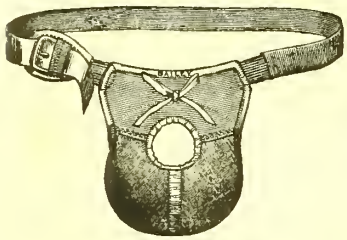


Fig. 2.

BAILEY'S
SUSPENSORY BANDAGES
A. B. C. SYSTEM.

What *"THE CHEMIST AND DRUGGIST"* says:—

Every retailer knows what a worry it is to get a customer suited with a bandage when it has to be picked out of a drawerful of all sizes. Messrs. Bailey's system is to mark every bandage with a number and letter—4B, for instance. By referring to the list, one finds that No. 4 is so-and-so, and the letter B indicates the size. If B is too large, A can be supplied; if too small, then size C. In the case of hydrocele, where a continually increasing size is necessary, it will be seen how very convenient this system is for ordering. Apart from that, there is the convenience in stocking the bandages. Each one is put up in a neat slide-box, labelled at one end with the size and style, thus:—

To repeat, quote No. 4^{B} SILK.

So that they are easy to pack away, easy to fit, and easy to sell, while the quality is excellent.

Cabinet of 2 dozen assorted, 30/- USUAL DISCOUNT. Containing—

6	No. 1, Cotton, with tape under-straps	Fig. 1	per doz.	8/-
6	No. 2, ,, ,, drawing-strings	Fig. 2	,,	10/-
6	No. 4, Silk, with ,,	Fig. 2	,,	18/-
3	No. 6, Super. Silk, with ,,	Fig. 2	,,	24/-
3	No. 8, ,, ,, button-bags	Fig. 3	,,	24/-

W. H. BAILEY & SON, 38 OXFORD STREET, LONDON, W.

TELEGRAPHIC ADDRESS—"BAYLEAF LONDON."

THE SUSPENSORY BANDAGE
TO RECOMMEND IS
The "SYRACUSE,"

With SELF-ADJUSTING LOOP at back of Pouch.

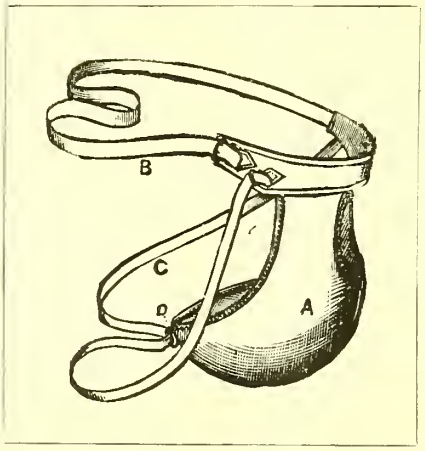
(PATENTED IN ENGLAND.)

HAS THE
LARGEST SALE
OF ANY
SUSPENSORY BANDAGE
IN THE STATES.

3 Sizes, Large, Medium, & Small.

Made in Seven Qualities, to suit all Markets.

Each Bandage is carded separately with Printed Guarantee.



Each Bandage bears a Guarantee to give satisfaction to Wearer, or money returned at our expense.

COTTON POUCHES.

Nos. 10	16	21	
6/6	12/-	18/-	per doz.

SILK POUCHES.

Nos. 26	31	34	36	
24/-	30/-	48/-	72/-	per doz.

We call attention to the fact that our Bandages are advertised in all the leading Athletic papers, and are largely used by Athletes of all kinds. We would strongly recommend all Chemists who require a first-rate Bandage, and who wish to give satisfaction to their Customers, to hold stock, which will enable them to supply our Bandages when asked for.

May be obtained from all leading Druggists' Sundries Houses throughout the Country, or from the

WELLS MANUFACTURING CO. (H. C. Quelch), LUDGATE SQUARE, LONDON E.C.

46

'Tabloids.'

The word 'tabloid' is used to designate a certain brand of products manufactured only by BURROUGHS, WELLCOME & Co. 'Tabloids' of Compressed Drugs have been proved by extended clinical trials to be the most active and most reliable medicines. They retain their therapeutic power in all climates.

'Tabloid' Phenacetin Comp.

Each 'tabloid' contains Caffeine, 1 gr. and Phenacetin, 4 gr.

"The combination of phenacetin with so useful a cardiac stimulant will prove therapeutically useful in every way."—*MEDICAL TIMES.*

Bottles of 25 and 100, 10s., and 27s. per dozen.

'Tabloid' Easton Syrup.

"The objections to the syrup, viz., its bitterness, etc., are avoided in the Easton Syrup 'Tabloids.' They are more convenient and more portable, while they are equally effective."—*GLASGOW MED. JOUR.*

Bottles of 25 and 100, ½ dr., 8s. 6d. and 18s.; 1 dr., 10s. and 24s. per dozen.

'Tabloid' Trinitrin.

Trinitrin (Nitroglycerin) dilates the peripheral blood vessels. It is therefore prescribed to lower arterial pressure. The action is slower than that of amyl nitrite but lasts longer. Trinitrin 'Tabloids' are most easily administered.

'Tabloid' Trinitrin, 1/100 gr. and 1/50 gr., bottles of 25 and 100, 6s. and 12s. per dozen.

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The small frequent doses of Tincture of Aconite, which are most effective in a febrile state, are easiest administered by use of the 'tabloid'.

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'Tabloid' Strophanthus Tinct.

Strophanthus is a cardiac stimulant and diuretic, first procured and introduced to the profession by B. W. & Co. It is best prescribed uncombined in 'tabloids.'

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See page 103 *of "THE CHEMIST AND DRUGGIST" WINTER ISSUE.*

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For Infants
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LONDON, E.C.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

Subscription: Fourpence a Week, Ten Shillings a Year. Summer and Winter Numbers, 1s. per Copy.

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POSTCARD COMPETITION.

What we ask our subscribers and their employés to do in June is to write on a postcard and send to us an account of some exceptional experience they have had in business—a bad quarter of an hour, we put it recently. Such things as cows come into chemists' shops, and there are awkward customers amongst men and women, while the chemist himself sometimes gets into a predicament. It would be interesting to hear of all these things. Relate each one on a postcard.

OUR SUMMER NUMBER.

On July 31 we shall publish our Annual Summer Number. It will exhibit an entirely new departure in trade journalism in that the whole of the cover will be printed by a photographic process which so far is the highest expression to which

COLOUR-PHOTOGRAPHY

has reached. The composition of the cover has been designed to give a complete representation of the possibilities of the primary colour-printing process, both still-life objects and artists' colour pictures being incorporated in it. We understand that a piece of work of this kind of the same magnitude has not been attempted in this country before The Number will, therefore, be a valued souvenir, and, as such, an exceptionally good one for advertising in.

SUMMARY

THIS number concludes our fiftieth volume (p. 1000).

THE new postal rates came into force on Tuesday. See p. 988.

AN ode to Dr. Koch is appended to a cartoon printed on p. 1007.

WE conclude our notes on the drug-trade of the Victorian era (p. 995).

THE present state of the Inter-drug Club cricket contest is put on p. 988.

AN apprentice at Taylors' drug-stores, Bradford, has died after taking two 10-gr. doses of antipyrin (p. 987).

IN our correspondence columns are several notes regarding the London wholesale drug-trade prior to 1837 (p. 1011).

THEORETICAL chemistry is now a compulsory subject in the Irish pharmaceutical Preliminary examination (p. 989).

WE report briefly upon the pharmaceutical exhibits in the Royal Agricultural Show now being held in Manchester (p. 994).

SLY, the Oxford truss man, has been sentenced to eighteen months' imprisonment for fraud in connection with the sale of his truss (p. 988).

AN interpretation of "shipment to France" in an ammonia-alkali contract by Mr. Justice Kennedy shows that reshipment to England is not prevented (p. 1005).

E. H. MERRICK, who, as the "Distributing Company," advertised a tooth-paste in association with competition prizes, has been committed for trial on a charge of fraud (p. 987).

MADAME DOUGLAS, one of the advertisers of remedies for female irregularities, has been committed for trial at Exeter on a charge of supplying drugs for procuring abortion (p. 1004).

THE Irish Government Department has agreed to the scheduling of carbolic acid, all oxalates, biniodide of mercury, and all preparations of strychnine (p. 990). We comment upon this important decision on p. 1001.

AN harmonious and hearty meeting of the Ulster druggists and pharmacists was held in Belfast last week, when it was unanimously resolved to invite the British Pharmaceutical Conference to visit that city next year. A large guarantee fund has been secured (p. 992).

AT the meeting of the Chemical Society last week Professor Norman Collie submitted an ingenious model for expressing the benzene formula in an intelligible manner, and to exhibit changes effected in the molecule; other interesting papers were communicated (p. 993).

THE members of the North British branch of the Pharmaceutical Society held their annual meeting and elected a new executive, the only change upon which is the appointment of Mr. J. Anderson Russell, of Glasgow, in room of Mr. Davidson, of Montrose, who resigns (p. 992).

MR. ALFRED HERBERT SQUIRE, of Squire & Sons, chemists to the Queen, died suddenly last week of pneumonia, and Mr. F. M. Rimmington, pharmaceutical chemist and public analyst for Bradford, died at a ripe old age at his residence there. Mr. Rimmington was an ex-councillor of the Pharmaceutical Society, and had done excellent work in pharmaceutical research (p. 991).

ON the occasion of the Jubilee the Queen has conferred a baronetcy on Colonel David Gamble, of St. Helens; also upon Sir William MacCormac, Mr. Thomas Smith, F.R.C.S., and Dr. Samuel Wilks. A knighthood is conferred upon Mr. William Crookes, and the K.C.B. is given to Dr. Richard Thorne-Thorne, Dr. Edward Frankland, and Professor Norman Lockyer. Dr. G. F. Duffey, Inspector of the Irish Pharmaceutical Examinations, also receives a knighthood (p. 1001).

STUDENTS' CORNER.

CONDUCTED BY RICHARD J. MOSS, F.C.S., F.I.C.

REPORTS.

THE powder sent to our correspondents last month consisted of equal parts of manganese sulphate, zinc sulphate, and potassium chromate. Its calculated composition was:—

Mn	7·61
Zn	7·55
K	13·36
CrO_4	19·97
SO_4...	24·43
H_2O	27·08
	100·00

It contained, as impurities, traces of sodium, iron, and chlorine.

Portions of the mixture of salts were sent to 58 applicants, and 31 reports of analyses were received in reply. The failures in the detection of the several constituents were: Zinc 10, manganese 8, sulphuric acid 2, potassium and chromic acid 1 each.

The difficulties encountered in this analysis by most of our correspondents arose from the attempt to separate chromium, manganese, and zinc by unsuitable methods. The best method to employ in this case was that depending upon the use of barium carbonate. It is difficult by means of ammonium hydroxide in the presence of ammonium chloride to effect a complete separation of iron, chromium, and aluminium from zinc, manganese, nickel, and cobalt. Even when a large excess of ammonium chloride is used some manganese is almost sure to be carried down with the iron, chromium, and aluminium. A similar difficulty applies to zinc. It is better not to attempt a separation of the metals precipitated as hydroxides from those precipitated as sulphides, but to add ammonium sulphide, without filtering off the hydroxides, thus obtaining a mixed precipitate consisting of sulphides and hydroxides. This precipitate should be quickly washed with warm water containing a little ammonium sulphide, and then treated with cold dilute hydrochloric acid, to separate the other metals from cobalt and nickel. The acid solution, which may contain zinc, manganese, iron, chromium, and aluminium, is now warmed with nitric acid or potassium chlorate to oxidise any iron present. It is then cooled, and might at once be treated with barium carbonate; but a great deal of this reagent would have to be employed to neutralise the free acid, and it is inconvenient to have a large quantity of barium in solution. For this reason the greater part of the free acid should be neutralised by the addition of sodium carbonate before adding barium carbonate. The latter reagent must be added in decided excess; it may be either in the dry state or suspended in water. The operation should be performed in a flask or test-tube, which can finally be closed with a cork to exclude the air while the liquid is standing to complete the reaction. When the method is properly carrried out the whole of the iron, chromium, and aluminium will be found in the precipitate, along with the excess of barium carbonate; and all the zinc and manganese, together with any trace of cobalt and nickel that may have passed into solution when the sulphides were treated with dilute hydrochloric acid, will be found in solution.

The ordinary methods may now be employed for the separation and identification of the members of these two groups, the barium present in each case being previously removed in the form of sulphate.

This method of separation is indicated when either manganese or chromium is detected in the preliminary examination. The most sensitive tests for both these metals are the so-called dry tests. Fusion with sodium carbonate and an oxidising-agent—usually potassium nitrate—affords such a delicate test for either manganese or chromium that it should never be omitted in the preliminary examination unless these metals are known to be absent.

PRIZES.

The First Prize for the best analysis has been awarded to J. PATTINSON, 30 High Street, Wighton.

The Second Prize has been awarded to ARTHUR E. BEESTON, 14 Wellington Road, Earlham Road, Norwich.

MARKS AWARDED FOR ANALYSIS.

J. Pattinson ("Tyers") (1st prize)	100	Mel Boracis	88
A. E. (2nd prize)	98	Unsigned paper	86
E. Ockenden	96	W. G. Stratton	85
C_2H_2...	96	R. E. Wright	83
A. E. King	95	Africanus	80
J. M....	95	Hwntw	78
Phœophycin	94	Constant	75
C. J. Packham	93	Trojan	72
W. J. Lacey	93	Scutellaria	65
Van-de-burke	92	Labor	60
Sepiæ	91	Buxtona	60
Tesla	90	Biology	57
Dover	90	Æsculap	53
C. H. Widdows	89	R. Graham	50
A. Failure	89	B. O. B.	47
		Semper	25

TO CORRESPONDENTS.

Prizes.—The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book they select, and stating how they wish it forwarded.

Any scientific book that is published at a price not greatly exceeding half a guinea may be taken as a first prize.

Any scientific book which is sold for about five shillings may be taken as a second prize.

Note.—All communications should include the names and addresses of the writers.

MEL BORACIS.—The change in colour when the powder was heated was due to the production of dark-coloured oxides, and not to carbonisation. When a citrate is carbonised by heat there is always an empyreumatic odour something like burnt sugar.

W. G. STRATTON.—You employed the best method for the separation of the manganese, zinc, and chromium, but you probably carried the neutralisation of the solution with sodium carbonate a little too far, thus precipitating the zinc as carbonate.

R. E. WRIGHT.—The flesh-coloured precipitate you obtained on adding ammonium sulphide to the aqueous solution contained zinc as well as manganese; its colour was no proof of the absence of zinc.

AFRICANUS.—See remarks to W. G. Stratton. The object of adding sodium carbonate to the solution before barium carbonate is added is to reduce the quantity of barium carbonate required to complete the neutralisation, and to precipitate the iron, chromium, and aluminium, so that the smallest possible quantity of barium shall enter into solution.

HWNTW.—You must have used too little ammonium chloride to prevent the manganese from being precipitated as hydroxide, and this precipitate carried down the greater part of the zinc in the form of hydroxide also. It was better to precipitate the hydroxides and sulphides together, and then to separate the chromium from the zinc and manganese by barium carbonate. Your citrate precipitate was simply calcium sulphate.

CONSTANT.—When the powder was fused on platinum foil with sodium carbonate and nitrate a mass was produced of such a decided green colour as to leave no doubt of the presence of manganese. Calcium sulphate is often mistaken for calcium citrate. It is easy to avoid the mistake by drying the precipitate and heating it: the citrate carbonises, the sulphate does not.

TROJAN.—The blowpipe-test with a cobalt salt is intended to be applied to certain white infusible oxides and salts; it was useless

with a coloured fusible substance such as you operated upon. You should not have omitted to fuse a minute portion of the powder with sodium carbonate and nitrate.

SCUTELLARIA.—There is something very much astray with your manipulation when you fail to detect such a large quantity of sulphuric acid. You could not add a barium salt to any solution of the powder without precipitating barium sulphate, and only a trace of this precipitate could have been dissolved by nitric acid.

LABOR.—You concluded that the powder consisted of potassium chromate and calcium sulphate. If you make a mixture of these two salts in any proportion you like, you will find it does not in the least resemble the powder you received. It is very likely that you did not use your group-reagents in proper quantity.

BUXTONA.—You made the very same mistakes as "Labor." It is evident you do not help one another; it would be better to work independently.

BIOLOGY.—It is strange that you should have concluded that manganese was absent after obtaining so many indications of its presence. The method for the separation of the metals by means of barium carbonate would have given sharper results with half the trouble.

ÆSCULAP.—The experiment you describe for the detection of sulphuric acid does not give the results you record. See remarks to "Scutellaria."

R. GRAHAM.—In examining the precipitate produced by ammonia and ammonium sulphide you contented yourself with proof of the presence of chromium and the absence of aluminium; manganese and zinc were also present. You might also have had traces of iron, cobalt, and nickel, notwithstanding the dark colour of their sulphides. You will find it very hard to separate the metals of this group satisfactorily unless you practise upon mixtures of their salts of your own preparation.

B. O. B.—The salts you found would make a colourless mixture; the powder you examined was deeply coloured. The dark-red precipitate you obtained with silver nitrate should not have been passed over without some attempt to account for it.

SEMPER.—Unless you take much more trouble with the work you cannot expect accurate results.

THE TOURNAMENT.

The names of the first ten competitors in our analytical tournament, corrected to date, now stand as follows:—

	Marks		Marks
E. Ockenden	385	Acetylene or C_2H_2 ...	371*
W. G. Stratton (Acetate)	381	C. J. Packham	371
A. E. King	379	O.V.Blackburn (V.d.burke)	369
Tyers	377	W. J. Lacey	367
Phœophycin	372	Sepiæ	364

* "Acetylene or C_2H_2" was inadvertently omitted from the list of the first ten last month, as his *nom de plume* was changed for his name, "Marshall K. Watt."

Local newspapers containing market items of news interesting to the trade are always welcomed by the Editor.

The Alleged Tooth-paste Fraud.

At Longton Police Court on Thursday of last week, Emile Hoffmann Merrick was charged on remand with obtaining money by fraud. Mr. G. C. Kent, who prosecuted on behalf of the Treasury, detailed the facts already related in the *C. & D.*, and stated that the competition instituted by the accused was made, according to the advertisement, "with the sole object of introducing an article of a very valuable description, and which will have the largest sale of any tooth-preparation in the world, as nothing can equal it." The address given was "The Distributing Company, 70 Wise Street, Dresden, Staffordshire." When the house was searched by the police the only tooth-preparation found there was a box of "Oriental" tooth-paste in actual use. Prisoner admitted that he had been "done" in a competition in which there were 17,000 odd successful competitors each of whom received ½*d.*, and added that he thought he would try to "do" somebody else. After evidence the Bench, considering that a *primâ-facie* case had been made out against prisoner, committed him for trial.

Arsenic for Morphia.

A young French medical student, M. Auguste Baret, has committed suicide in Guernsey, under painful circumstances. He held a certificate as "Officier de Santé" and though not in possession of the required diplomas, had written to H.M.'s Procureur expressing a desire to apply to the Royal Court for leave to practise the art of medicine. Deceased had a mania for taking morphia, but, apparently in a fit of mental aberration, swallowed a dose of arsenic. He took too much, however, and vomiting ensued; but though antidotes were administered, the case was from the first regarded as hopeless, the poor young fellow's intestines being literally perforated by the action of the poison. The jury's verdict was to the effect that deceased committed suicide while of unsound mind.

Boots in Jersey.

Boots, Cash Chemists (Western), Limited, have just published a really handsome sixteen-page portfolio of "Fine-Art Views of Jersey," in conjunction with "Rowes, Cash Stationers," the stationery business adjoining their local branch, with which they are evidently closely connected. The photographs were specially taken, and the whole work of reproduction was carried out at Messrs. Boots' printing-works, Island Street, Nottingham.

Society of Chemical Industry.

The Nottingham Town Council have resolved, on the motion of the Mayor, to invite the Society of Chemical Industry to hold the 1898 annual general meeting in Nottingham. In putting the motion, the Mayor said that the last meeting there (1890) was a record one. They were anticipating, if it was the Council's pleasure to invite them, that they would have an equally successful gathering next year. The expenditure falling upon the town would be very trifling, and the Council would agree that the money would be well laid out in securing the presence in the town of so large a society, devoted not only to chemical research and study, but to its application to manufacturers. Mr. Skerritt wished to have a more definite statement with reference to the expense, and the Mayor replied that he did not think the expense could reach or exceed 260*l.*

The Irish Doctor at Burnley.

Mr. Bernard O'Connor, L.A.H.Irel., of Burnley, has recovered from the dose of poison which he is alleged to have taken, and was brought up at the local Police Court last week on a charge of unlawfully wounding his wife and attempting to commit suicide. His appearance in the dock is described as that of "a very gentlemanly-looking man, spotlessly attired, and having in his left hand a pair of kid gloves." Speaking for him Mr. Sutcliffe said the wife's wounds were very small indeed. Prisoner's relations were in Ireland, and he was well connected. He had been assistant to Dr. Monaghan, of Acerington. The Magistrates declined to give bail, and remanded prisoner until the Tuesday, when it was hoped Mrs. O'Connor would be able to attend, but she was then too ill, and her depositions were taken. She then stated that about 11 o'clock on Saturday night she went to bed, her husband, Dr. O'Connor, following half an hour later. The room was in darkness. He lighted a candle, came over to her as she lay in bed, and stabbed her two or three times. He told her that he had stabbed her and had taken poison himself, and that they would die together. She bled a great deal. The next thing she remembered was that about 5 o'clock in the morning she found herself lying on the floor. Her husband was also on the floor. He gave her something to drink out of a jug. He was twitching, and she threw the remaining contents of the jug on to him to try to bring him round.

A Drug-store Apprentice takes Antipyrin and Dies.

Charles Fortune (18), an apprentice at Taylors' Drug-stores, New Kirkgate, Bradford, died suddenly in his home on Sunday, June 13, and an inquest was held on June 17 regarding his death. The evidence showed that he had

suffered from severe headache and toothache, and had taken two doses of 10 gr. each of antipyrin powder. When a companion who slept with him went to bed he found Fortune's condition alarming, and Dr. Caroll was sent for, but in spite of all he could do the lad gradually sank. The manager of the drug-stores stated that it was against the regulations of the establishment for any of the assistants to take doses of medicine, except under the direction of the certified dispenser. Ten grains was a usual dose of antipyrin, but it was a dangerous medicine for anyone suffering from heart-disease, and it transpired that deceased had a predisposition to epilepsy, from which he had doubtless ultimately succumbed. A verdict of death from natural causes was returned.

Fatal Still-explosion.

An explosion occurred at the works of Mr. Hamer Lockwood, manufacturing chemist and naphtha-distiller, Bradford, last week, and set fire to the place. This brought out the fire brigade, and assistance from neighbouring works. After the flames had been subdued it was found that a still containing 30 tons of oil had been blown bodily from the brickwork in which it had been embedded, and carried over a high wall to the opposite side of an adjoining street. The burning oil was scattered in all directions, and thus caused the fire. When the firemen succeeded in making a close inspection they found the bodies of two workmen near the *débris* in a state so blackened, and otherwise disfigured, as to be almost unrecognisable. From the nature of their injuries it is evident that they were killed instantaneously. The accident is said to have been caused by the stoppage of the condenser of the still.

Blackburn Bottles.

The Blackburn Board of Guardians has been compelled to limit the number of free empty bottles given to outdoor patients to two. That is to say, if they break or lose the first two bottles they get, they have to supply or pay for the third, and so on.

Wielding the Willow.

The Aldersgate C.C. (S. Maw, Son & Thompson) played W. H. Smith & Son's C.C., at Dulwich, on Saturday last, when they scored 130 for 3 wickets, W. H. Smith & Son totalling 48 only. For the winners, Hopley took 5 wickets for 17 runs, and Coats 5 wickets for 23 runs.

Bolland C.C. (Hodgkinsons, Treacher & Clarke) *v.* Davy, Hill C.C., played at Henham. Scores—Bolland C.C., 104; Davy, Hill C.C. 40.

May & Baker C.C. played Burgoyne Burbidges C.C. at Raynes Park on Saturday last. M. & B. scored 99; B.B.C.C., 49. A. W. Smith for the winners took 8 wickets for 16 runs.

Our championship table of the inter-drug-club matches now stands as below:—

	Won	Lost
Burgoyne Burbidges	4	1
Barron Harveys	2	2
Heron (Hearon, Squire & Francis) ...	1	2
Burroughs, Wellcome & Co.	0	2
Davy, Hill & Co.	2	2
Pharmaceutical School	0	2
Bolland (Hodgkinsons, Treacher & Clarke)	1	1
Aldersgate (S. Maw, Son & Thompson)...	1	0
May & Baker	2	1
H. Potts & Co.	0	1

Draws not counted, nor any matches played with other than drug-house teams.

Municipal Laboratories.

Brighton Town Council has decided to establish a municipal hygienic laboratory for the use of medical men and veterinary surgeons. A fee will be charged to medical men and others for bacteriological or chemical analysis at the laboratory.

Drug-contracts.

The following are amongst the contracts for drug-supplies to guardians which have been settled during the past ten days:—

East Grinstead.—Carbolic-soap, 15*s.* 6*d.* per cwt., by Mr. M. Chart.

Isle of Wight.—Mr. F. A. Cory, chemist and druggist, Newport, is to supply medicines.

Midhurst.—Cod-liver oil, 10*s.* per gallon, from Mr. F. R Rump, chemist and druggist. Carbolic-soap, 2¾*d.* per lb., and linseed-meal, 2*d.* per lb., from Messrs. Pescod & Gosden.

Walsall.—Cod-liver oil, 6*s.* 6*d.* per gallon; olive oil, 5*s.* per gallon; colza oil, 4*s.* 9*d.* per gallon; single trusses, 2*s.* and 2*s.* 6*d.* each; double trusses, 2*s.* 3*d.* and 2*s.* 9*d.* each, by Messrs. Elliott & Son, pharmaceutical chemists.

Besides the foregoing, we have observed a number of contracts for disinfectants, oils, and the like, which have gone past the drug-trade.

A Missionary for the Errand-boy.

Edwin Vanderfelt, errand-boy (14), was charged at the South-Western Police Court with embezzling 1*s.*, the money of his employer, Mr. F. Freeman, chemist, 66 Balham High Road. The evidence was to the effect that the boy had committed many petty thefts, but Mr. Freeman had always overlooked them. He had no mother, and his father had abandoned him, but prosecutor had taken these proceedings, as he thought it would be for the lad's benefit to have a warning early in life. At the suggestion of Mr. McGowan, the Court missionary, the Magistrate remanded the boy in order that something might be done for his benefit.

Postal Rates.

The following are the new rates of postage, which came into force on Tuesday:—

Letters (*inland*).—Up to and not exceeding 4 oz., 1*d.*; and ½*d.* for every 2 oz. or part thereof beyond.

Samples and Patterns (*inland*) are virtually abolished:—The rates being the same as for letters.

Books and Book-packets.—Same rate as at present—viz., ½*d.* for every 2 oz.; but above 2 oz. the letter-post regulations apply.

Express Delivery by foot messenger, 9*d.* for a packet not exceeding 5 lbs., and for a distance of three miles. The old rate was 1*s.*

Parcels Post.—3*d.* for the first pound, and 1*d.* for each additional pound.

Telegrams.—No charge for delivery within three miles of telegraph office, beyond that 3*d.* per mile.

The Attfield Testimonial.

Mrs. Attfield has issued invitations for a garden-party at Ashlands, Watford, on July 10, at 5 o'clock afternoon, when an album and plate will be presented to her husband, Dr. John Attfield, by his old students and friends. The lady friends of the subscribers are included in the invitation, and it is expected that the occasion will be a notable reunion. We understand that arrangements are to be made for inspecting the plate at Messrs. Elkington's, 22 Regent Street, from July 3 to 8.

The P.A.T.A. and Grocers.

Mr. Glyn-Jones addressed the Bournemouth Grocers' Association on Thursday, June 17, and the Association, after hearing him, passed a resolution supporting the P.A.T.A.

The Bogus Trussmaker.

At the Assizes at Oxford on Wednesday, before the Lord Chief Justice, Samuel Albert Sly (35), trussmaker, was indicted for obtaining 5*l.* by false pretences from Abraham Hoyle, Southbeach, Blackpool. The facts in the case have already been reported in the *C. & D.* Mr. McCarthy, who prosecuted, stated them generally to the Court. Prisoner, by means of false testimonials, had persuaded people through advertisements to buy his trusses, which had no special merit. Amongst the witnesses called were two of prisoner's employés, who spoke to circulars, &c., material parts of the evidence, being sent out by prisoner.

Charles Walter Good, manager of the *Lancet*, produced a copy of that paper of April 23, 1887, which contained words similar to those in the circular of Sly Brothers, but they related to Atkinson's truss; the paper had never noticed Sly's truss as such. There was a notice of Hodge's truss in the paper of October 3, 1885.

Benj. Fredk. Atkinson, surgical-instrument maker, Nill

Street, Hanover Square, W., stated that certain testimonials in the prisoner's circulars were taken from testimonials which he had himself received, and the originals of which he possessed. In reply to his Lordship, the witness said for the purposes of a truss the one produced was perfectly worthless.

Austin Brooks, truss-manufacturer, Holborn, deposed to having also the originals of letters of testimonials, part of which were in the prisoner's circulars. Cross-examined: The prisoner's truss was not worth the brown paper it was wrapped in. (Laughter.)

Dr. Richard G. Rowles, of Reading, said he was the only doctor with the London qualification practising there, and he did not write the testimonial so signed in the prisoner's circulars.

Mark J. Lindsey, surgical-instrument maker, of London and Broad Street, Oxford, said the prisoner's truss was a very bad thing altogether, and was not fit to be worn. He spoke after forty-five years' experience.

No witnesses were called for the defence, and, after the jury had been addressed by prisoner's counsel and his Lordship had summed up, the jury found prisoner guilty. In passing sentence, his Lordship said that in February, 1888, in the name of Albert Hodge, at Middlesex Sessions, for obtaining goods by false pretences, the prisoner got three periods of penal servitude of five years each, and two years' imprisonment, several of these sentences to run concurrently. The effect was that the prisoner got altogether something like seven years' penal servitude. Taking the time which under the statute was deducted, the prisoner would not apparently be at large again before the end of 1894 or beginning of 1895, and then he was found carrying on—he would not insult traders by saying carrying on trade—but carrying on this deliberate course of the grossest deception. He did not know what he ought to do with the prisoner, and he would probably be erring on the side of leniency when he sentenced him to eighteen months' imprisonment with hard labour.

The Jubilee in the Drug-trade.

At Halifax, Taylors' Drug Company (Limited), 9 New Arcade, gave to each purchaser of their "Sovereign" hair-restorer, a bottle of perfume.

Mr. Thomas O'Brien's check-till works, Slater Street, Bold Street, Liverpool, were closed on Jubilee Day, the men employed receiving their full pay.

Bournemouth had a grand trade parade on Jubilee day, when one of the most attractive cars was that of Messrs. Isaacs & Co., of the Malmesbury Dairies, makers of sterilised, humanised, and peptonised milks.

Messrs. John Knight & Sons, the well-known soap-makers, have offered 1,000*l.* to establish a scholarship in connection with the West Silvertown Board School, as a commemoration of the Diamond Jubilee.

Mr. F. S. Moore, chemist, of Castle Cary, Somerset, who is district councillor and guardian of the poor for that town, gave to each of the recipients of outdoor relief, on Friday last, ½ lb. of tea in an ornamental canister in commemoration of the Queen's Jubilee.

Mr. G. R. Hankinson, chemist, High Street, Uttoxeter, had an effective advertisement *à propos* of the record reign, showing that his business was established in 1780 (we told how early in 1895), so that "The Record Business—1780–1897—117 years" made an appropriate tail-piece to the advertisement.

Messrs. Pavey & Co., chemists, Ramsgate, advertised as follows:—"To celebrate the Queen's long reign we shall give hundreds of pounds to every person who purchases Pavey & Co.'s Corn-cure." When people read the advertisement they found that what they were to get was relief chiefly and not 100*l.* notes.

Mr. Keith Longstaff, chemist, 811 Fulham Road, S.W., made a good window-attraction by exhibiting an interesting description of the Queen's Coronation coach used in 1838, also a copy of the Coronation Sun, 1838, printed in gold, with medallion of the Queen in the centre, and sketches by Vizetelly (1843) of the Queen's progress through England and parts of the Continent. These caused a great deal of attraction.

Messrs. Beecham, of St. Helens, celebrate the Diamond Jubilee by giving their employés a week's holiday in the Isle of Man. Mr. Joseph Beecham, in making the announcement, stated that the married men would have the privilege of also taking their wives at the firm's expense. This announcement was received with great enthusiasm. The work-people will have their holidays in two sections the first going to the Isle of Man on June 29, and the second a week later.

Many chemists on the Queen's procession route in London changed their windows completely for the occasion, putting in planked stands, with and without chairs, instead of perfumes and toilet specialities. It was funny to see the coloured carboys remain until the last minute, triumphant above the work of the carpenters. We hope chemists have come off better than the majority of traders in this seat speculation. It is reported that some shopkeepers have ruined their businesses thereby.

During the Diamond Jubilee procession in Bradford on Tuesday a woman slipped through a skylight and cut the calf of her leg so severely that it was almost in halves. Mr. S. N. Pickard, chemist, of Manningham Lane, rendered prompt aid by applying a tourniquet, and bandaging the wounds in such a way that she was able to be removed to the infirmary without fear of collapse. We understand that in the marshalling of the procession Mr. A. H. Widdington, chemist, Darley Street, took a prominent part, he being one of the committee who made arrangements.

Messrs. Johnson & Hooper, Crown Works, Stratford, E., and Crown Wharf, Old Ford, E., took the whole of their workmen and staff to Southend to celebrate Jubilee Day. At 12 noon they dined at the Grotto, and after toasting "The Queen," "Prosperity to the Firm" was given with three times three, and was responded to by Mr. J. E. Johnson, F.I.C., F.C.S., who presided, and remarked that he had been connected with the establishment continuously, as man and master, for twenty-five years, this being his "silver Jubilee" in the firm. Mr. Phillips, M.P., in an eloquent and forcible speech, proposed "The health and well-being of the Managers and Staff," coupling the toast with the names of Mr. A. F. Gates (manager of the Stratford Works), Mr. W. J. Ling (Old Ford Works), Mr. W. E. Gibson (office), Mr. Webb (travellers), Mr. W. E. Butt (laboratory), and Mr. H. Tuson (Tuson's Disinfectant Company), who replied. The rest of the day was enjoyably spent in the town. We understand that the firm, in addition to meeting the whole of the expenses of the trip, gave each man a full day's pay.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Canon Neligan Praises Pharmacy.

Preaching at Dublin, on Sunday last, the Rev. Canon Neligan, D.D., Leeson Park, said of late years the unpleasantness of taking medicines had been reduced to a minimum as compared with former years, and owing to the introduction of concentrated drugs a much smaller quantity sufficed. Doctors, he said, were learning to prescribe something other than mere drugs the efficacy of which was not always assured; there was nowadays no priestcraft about medicine, and a little of it went a long way. Men were getting to know and take what they most needed in a remedial way. The reverend gentleman spoke in favour of the use of anæsthetics in the practice of surgery.

The Preliminary Examination.

The Dublin Castle authorities have agreed to the resolution of the Irish Pharmaceutical Council that elementary theoretical chemistry shall be a compulsory subject in the Preliminary examination held under the provisions of the Irish Pharmacy Acts, and the fact has been gazetted.

Carbolic Acid Scheduled.

An order appeared in Saturday's *Dublin Gazette* to the effect that in accordance with the terms of a resolution passed by the Royal College of Physicians in Ireland in January last it is ordered by her Majesty's Privy Council that phenol, commonly called carbolic acid, all oxalates, biuiodide of mercury, and preparations of strychnine shall be deemed poisons in accordance with the provisions of the "Act to Regulate the Sale of Poisons in Ireland."

Mr. R. E. McDowell's Estate.

A statutory notice to creditors has been issued by Mrs. Elizabeth Mary McDowell, widow and administratrix of the late Robert E. McDowell, proprietor of the Medical Hall, Grafton Street, Dublin, whose death by an overdose of poison was reported in a recent issue of The Chemist and Druggist. A distribution of the assets of the deceased will be made on July 19.

Gallantry Rewarded.

At a meeting, last week, of the Royal Humane Society, London, Sir Thomas Brady reported the case of Mr. J. L. Hogan, chemist's assistant, of Messrs. Grahams' State Pharmacy, 30 Westmoreland Street, Dublin, who, on the evening of May 23, rescued at Sandy Cove, at the risk of his own life, a reverend gentleman named Lynch, of Kingstown. The circumstances of the rescue were reported in the *C. & D.* at the time. The Society considered the case one deserving of special notice, and have made a suitable award to Mr. Hogan.

Penal Servitude for a Druggist's Bookkeeper.

At the Dublin City Commission, on June 18, before Mr. Justice Andrews, Frederick Naar, lately employed as a bookkeeper in the firm of McMaster, Hodgson & Co., druggists, Capel Street, Dublin, was charged with embezzling certain sums of money belonging to his employers, and forging documents to cover his dishonesty. During the indictment it was stated that the prisoner had fallen into bad company, and lost money, which he was unable to pay out of his salary. The accused pleaded guilty, and threw himself on the mercy of the Court. His Lordship remarked that a series of very extensive frauds had been committed by the prisoner, who was a man of considerable intelligence, and knew perfectly well what he was doing. His record, moreover, was not altogether without impeachment, and, having regard to the gravity of the case, he would sentence him to four years' penal servitude. The prisoner, who was much affected, was removed from the dock.

Personal.

Sir Henry Cochrane, of Dublin, is to present a loyal address, at Windsor Castle, to the Queen on behalf of the Dublin Citizens' Committee.

Sir Charles Cameron, analyst, Dublin, has taken up, as a Jubilee project, the question of the housing of the very poor of the city. His action has been applauded on all sides, and he is receiving strong support from medical and sanitary quarters.

Colonial and Foreign News.

Discovery at Large.—Drs. Danysz and Bordet, the French experts employed by the Transvaal Government to make experiments for the prevention of rinderpest, are confident that they have attained success. Their method is to inoculate the virus from a pest-stricken animal into one that has recovered. The latter takes the disease again, but in a milder form, and from this animal the healthy animals are inoculated, with the result that these also take the disease in a mild form only, and remain immune although herding indiscriminately with infected cattle. Some 200 or 300 beasts have been treated successfully. The same experts have been experimenting with horse-sickness, and claim to have attained equal success. A number of horses have been salted, and have remained immune through the season. The intention is to treat a number of horses during the winter, and then to distribute them next season in districts where horse-sickness generally is most virulent. The experts will next turn their attention to experiments for the cure of leprosy, for which purpose subjects are to be provided from local asylums.

Pharmaceutical Association of Quebec.—The annual meeting of this Association was held at the Montreal College of Pharmacy on June 8. Mr. R. W. Williams, of Three Rivers (President), was in the chair, and gave an admirable address, the opening paragraph of which paid a high tribute to the greatness, goodness, and Christian character of our beloved sovereign Queen Victoria. The annual report and financial statement, were duly adopted, and, with the President's address were ordered to be printed and circulated among the members. A committee was also appointed to draft a cable message congratulating the Queen on her approaching Diamond Jubilee. This message was cabled during the progress of the meeting. The following gentlemen were elected to the Council—viz., Messrs. R. W. Williams, C. J. Coverntin, J. Emile Roy, J. E. Tremble, A. M. Macmillan, and A. E. Du Berger. The following, who remained in office, are also on the Council:—Messrs. Joseph Contant, S. Lachance, R. McNichols, Dr. J. Leduc, A. Robert, J. G. Barnabé. The Association's first annual banquet was held in the Windsor Hotel in the evening, about 100 pharmacists and others gathering around the festive board. The function was a grand success.

The Drug-trade Club of New York.—Woodbridge Building, at the corner of William and John Streets, New York, is not, according to the picture of it that appears in the *American Druggist*, a building of much architectural beauty. Its outlines recall the classic card-house we used to construct in our youth, with plenty of square holes for windows. The structure is of the most rabid sky-scraper pattern, and on its twelfth floor, with several tenants "located" above, the Drug-trade Club is now domiciled. Woodbridge Building was selected because it is in the heart of the drug-trade district, many drug-houses having offices within its walls. You have your choice of five elevators to get from the street to the Drug Club. The reception-room is comfortably, nay luxuriously, furnished, and when its walls—now somewhat bare—have been decorated with more pictures such as the fine oil-colour seascape presented to the club by Mr. Theodore Weicker, the appointments of the apartment will leave nothing to be desired. The main dining-room (we quote from the article in the *American Druggist*) is large, comfortable and accommodates 125 persons. There is another dining-room for non-smokers, and one for ladies, the last-named affording a fine view of East River, Brooklyn Bridge, the Navy Yard, and the city islands. Mr. Thos. P. Cook now occupies the Presidential chair of the club, and Mr. Isaac V. S. Hillier acts as Secretary. The membership of the club does not appear to be limited to druggists and chemical-merchants, for on the list of new members we find the names of lawyers, paint-manufacturers, oil-brokers, insurance agents, paper-merchants, mineral-water makers, and builders, with an artist and—need it be added?—one or two journalists.

Trade Notes.

Dr. Allinson's Food for Babies.—We understand that Mr. Peter Tyrer, 70 Long Lane, S.E., the manufacturer of this food, has had an order for it from the Princess Frederick Charles of Hesse, who has used it in her household for some years, which shows that she can appreciate a good thing.

"Gegenüber" Eau de Cologne.—It will be observed that Messrs. J. & R. McCracken, of 38 Queen Street, E.C., the agents for Mr. J. M. Farina, opposite Julichs Place, Cologne, announces that a 2-oz. bottle of this famous perfume will now be put up, two dozen of the bottles counting as one dozen of the 4-oz size for the same price.

A Sandell Photographic Exhibition, similar to that which was held in May, will open on or before July 12 at the Modern Gallery, 175 Bond Street, and will consist of over 400 subjects. The exhibition will be open from 10 A.M. to 6 P.M. and from 7 to 10 P.M. daily, and there will be lantern illustrations and demonstrations on Wednesday and Saturday evenings.

Devonshire Cream and Malt.—As we expected Messrs. Evans, Gadd & Co.'s "Ambrosia" has caught on, and they have been compelled to introduce a new size to retail at 4*s.*, P.A.T.A. terms; it contains twice as much as the 2*s.* 6*d.* size. To sustain the interest in the article they have prepared

an eight-page booklet, of which they will send a supply to any chemist, with his name and address upon it. This offer is well worth taking.

A PRETTY COCA-WINE SHOWCARD has been prepared for distribution by Messrs. Randall & Son, of Southampton. It is a pleasing design executed in gold and subdued colours, from which in the centre a champagne-bottle of the wine stands out in bold relief. We note that the name of the firm does not appear upon the showcard, the reason for this being, we presume, that they prefer to supply their coca-wine in bulk, so that retailers may put it up themselves as their own speciality. Any chemist who has bought Randall's wine through wholesale houses will obtain two copies of the showcard post free on application to the makers, Messrs. Randall & Son, 146 High Street, Southampton.

Marriage.

CRAIG—LUKE. — At Waterloo Hotel, Edinburgh, on June 17, by the Rev. J. Milling Witherow, M.A., of Wallace Green Church, Berwick-on-Tweed, Nicol Miller Craig, chemist and druggist, Berwick-on-Tweed, to Margaret N. Luke, daughter of Mr. Peter Luke, Blyth, Northumberland, and niece of the late Mr. Nicholas Smith, London.

Deaths.

PARKER.—On June 6, Mr. W. H. Parker, pharmaceutical chemist, Nottingham. Aged 66.

RIMMINGTON.—On June 17, at his residence, 18 Oak Lane, Bradford, Felix Marsh Rimmington, F.C.S., pharmaceutical chemist and Bradford Borough Analyst. Aged 79 years. Mr. Rimmington came of an old farming stock, and was born at Gateforth, near Selby, on February 14, 1818. He went to Bradford when he was four years old, to live with an uncle who was in business as a chemist, but afterwards returned to Gateforth, where he was educated. He was subsequently

apprenticed to Mr. Fell, a Huddersfield chemist, and also served for some time as an assistant to Mr. Peter Squire. He then commenced business in Bradford about the year 1840, at the bottom of Ivegate, and afterwards removed to Bridge Street. Mr. Rimmington had held the offices of borough analyst for Bradford and Dewsbury since the passing of the Sale of Food and Drugs Act about a quarter of a century ago. He had enjoyed excellent health up to last Christmas. He leaves a son, Mr. George Rimmington, pharmaceutical chemist (who has carried on Rimmington & Son's business for some years), and two daughters. The deceased gentleman was an accomplished chemist of the old school, and had been a Fellow of the Chemical Society since 1873. He kept himself well abreast of the times in regard to analytical processes, particularly those connected with pharmacy. As an instance of that may be mentioned his work on the assay of spirit of nitrous ether. Fifteen years ago the recognised method of assay was to saponify the spirit with potash or soda, whereby the nitrous acid was fixed and was afterwards estimated by the permanganate process. He was one of the few who recognised the inaccuracy of the process, and at great pains devised the copper-zinc couple method through which the nitrite was estimated as ammonia. When Eykmann's and Allen's methods were introduced, he, although verging on the seventies, made a long series of experiments upon them, as he was not at first sure about them, and at great pains in experiments and correspondence convinced himself of the inferiority of his own method. He occasionally contributed papers to the Pharmaceutical Society, but latterly more frequently to the Society of Public Analysts, of which he was a member. He also for many years contributed to this journal in various ways. Mr. Rimmington served on the Pharmaceutical Council for several years, having been elected in 1874. Mr. Rimmington was buried on Saturday, at Undercliffe Cemetery, amidst manifestations of public respect. The funeral *cortège* included the following representatives of the Bradford Chemists' Association—viz., Messrs S. N. Pickard, R. W. Silson, J. M. Newbould, John Jackson and S. Sowden.

ROWE.—On June 9, Mr. Samuel Rowe, chemist and druggist, Milbrook, Cornwall. Aged 78.

SQUIRE.—On June 19, at 122 Sutherland Avenue, London, of pneumonia, after a short illness, Alfred Herbert Squire, pharmaceutical chemist, son of the late Peter Squire. Aged 47. The deceased gentleman was the younger of the two sons of Mr. Peter Squire who succeeded to the business when he

retired in 1877. It was in that year that Mr. A. H. Squire was appointed chemist and druggist to the Queen, jointly with his brother, Mr. P. W. Squire, and together they have continued to edit the well-known "Companion to the British Pharmacopœia." Mr. A. H. Squire has never taken any active interest in pharmaceutical affairs outside the Oxford Street pharmacy. There he was much liked by all the assistants, to whom he was as one of themselves, and his sudden death has caused genuine regret.

WOOLFORD.—June 21, at 61 Kirkgate, Leeds, James Woolford, chemist and druggist. Aged 78.

Pharmaceutical Society of Great Britain.

NORTH BRITISH BRANCH.

A MEETING of Scotch members and associates in business was held at 36 York Place, Edinburgh, on Friday, June 18, Mr. J. L. Ewing in the chair. There was a small attendance.

The Chairman's Address.

The Chairman, in the course of some remarks, said that this year 412 voting papers had been sent out as compared with 400 last year. That indicated a slight increase in the number of electors in Scotland, but there was still great room for improvement. The number of voting papers returned did not indicate that there was any active interest taken in the election. He was not quite clear whether that was a good or a bad sign, but probably on the whole it might be taken as an indication that the members generally were satisfied with the way in which matters were being managed. He was glad to observe that this year there was an increase in the number of candidates for the Executive, and it was specially gratifying to see that some of the younger men were offering themselves for election. If they had not been successful this time, he hoped the Society might have the benefit of their services at a future period. Mr. Davidson (Montrose) had retired from the Executive in consequence of his election to the Board of Examiners. Mr. Ewing then referred to the annual report and the by-laws, mentioning, in connection with the latter, that if the Privy Council approved of them fewer unprepared candidates would present themselves. He also stated that there was a prospect of their being able very early to proceed with the reconstruction of the Society's house, at least so far as the library was concerned. With regard to Mr. Curric's motion, proposed at a recent meeting of the Executive, that all registered chemists and druggists should be admitted to full membership of the Society, he said he was glad to find in London recently that there seemed to be a unanimous feeling that such a proposal should be given effect to. Speaking of Scotch Pharmacy Act cases, he said it was to be hoped that in time the Sheriffs would get to understand the position more fully, and that such difficulties would not arise. They were not alone in finding it difficult in enforcing their Act, as their colleagues the dentists had recently had an experience of a similar kind; but he believed the dentists were even less thoroughly protected than they were.

The New Executive.

Mr. Hill (Assistant-Secretary) read the scrutineers' report on the voting-papers sent in for the election of the executive, from which it appeared that 58 members and associates in business were nominated, 26 of whom signified their willingness to act if elected. Four hundred and twelve voting-papers were issued, and of these 176 were returned, but one was informal, so that 175 votes were recorded. The following is the result of the voting:—

	Votes
Jas. Laidlaw Ewing, 9 Princes Street, Edinburgh	159
Wm. Little Currie, 223 Byres Road, Dowanhill, Glasgow ...	154
Wm. Ramsay Kermath, 1 North Bell Street, St. Andrew's	153
Chas. Kerr, 56 Nethergate, Dundee	150
Claude Francis Henry, 1 Brandon Terrace, Edinburgh ...	147
Alex. Strachan, 138 Rosemount Place, Aberdeen	142
John Bowman, 3 Duke Street, Leith	141
Robt. McAdam, 34 Virginia Street, Glasgow...	140
George Lunan, 20 Queensberry Street, Edinburgh	138
George Coull, 17 Smith's Place, Leith Walk, Edinburgh ...	132
John Hutchison Fisher, 66 High Street, Dunfermline ...	132
Jas. Miller Hardie, 68 High Street, Dundee	132
Donald Mitchell, 30 Union Street, Inverness	127
Jas. Moir, 447 Victoria Road, Crosshill, Glasgow	122
David McLaren, 42 South Clerk Street, Edinburgh ...	108
Jas. Paterson, Provost Jameson's Quay, Aberdeen	105
Jas. Anderson Russell, 212 New City Road, Glasgow ...	73

The following were unsuccessful:—

Thos. Dunlop, 181 Albert Road, Pollokshields, Glasgow ...	55
Colin Allen Macpherson, 97 Dalry Road, Edinburgh ...	50
W. Duff, 17 Smith's Place, Leith Walk, Edinburgh ...	48
Alex. Graham, 79 Main Street, Lochgelly	46
David Ritchie, 39 Market Street, Aberdeen	44
Chas. Cumming, 49 Reform Street, Dundee	38
Robt. Alex. Scott, 62 Merry Street, Motherwell	35
Chas. Stephen, 46 Wellgate, Dundee	34
John Hutchison Thomson, 102 High Street, Lochee, Dundee	32

Mr. Russell is the only new member of the Executive, he taking Mr. Davidson's place.

On the motion of Mr. T. Dunlop (Glasgow), seconded by Mr. Peter Boa (Edinburgh), the report was unanimously adopted.

The Chairman then declared that the first seventeen gentlemen named, together with the President of the Society (Mr. Walter Hills), the Vice-president (Mr. G. T. W. Newsholme), Messrs. John Johnston (Aberdeen), and David Storrar (Kirkcaldy), as *ex-officio* members, formed the Executive for 1897–98.

Sheriffs' Remarks on Pharmacy Prosecutions.

Mr. Boa asked if anything could be done to bring pressure to bear on some of those Sheriffs who had recently presided at pharmacy prosecutions, so as to prevent such remarks as that they were sorry to say they had to fine a man, when it was perfectly evident that the man spoken of had committed a flagrant offence for which he richly deserved to pay the penalty?

The Chairman said he understood this matter was at present receiving consideration by the Council of the Society.

Mr. Burley (Edinburgh) moved, and Mr. Kerr (Dundee) seconded, a vote of thanks to the Chairman and the retiring Executive, which was agreed to.

Ireland and the B.P.C.

On Thursday, June 17, a joint meeting of the members of the Ulster Pharmaceutical Society and of the Irish Chemists' and Druggists' Society was held at 10 Garfield Chambers, Belfast, to consider the advisability of inviting the British Pharmaceutical Conference to hold the 1898 Conference in Belfast, and also appointing delegates to present the invitation at the forthcoming Conference in Glasgow. On the motion of Mr. W. J. Ranken, seconded by Dr. Fielden, Mr J. G. Guiler was voted to the chair. Mr. R. W. McKnight stated that apologies had been received from Sir James Haslett, M.P., Messrs. J. C. C. Payne, J.P., Samuel Gibson, J. J. Haslett, jun., and John Watson.

The Guarantee Fund.

Mr. Ranken and Mr. McKnight reported that in response to the circular sent out to the trade a most enthusiastic reception had been given to the proposal, not only by the wholesale houses, but the pharmaceutical chemists and chemists and druggists had responded with subscriptions varying from 1*l.* up to 20*l.* The result pleased the meeting highly, especially as many returns have yet to be received.

The Invitation.

Mr. P. J. Lyons, M.P.S.I., said the report showed unmistakably that the trade generally were desirous that an invitation should be sent from Ulster to the British Pharmaceutical Conference to visit Belfast next year. (Hear, hear.) He believed it would do the trade all over a great deal of good, and at the same time it would confer a great honour on Ulster. He believed that they would be in a position to give the Conference an Irish welcome. They would also be able to provide excursions and other means of entertaining the members of the Conference, and show the visitors some of the grandest scenery in the world. (Hear, hear.) He then moved—

> That this meeting, composed of pharmaceutical chemists and chemists and druggists, give the British Pharmaceutical Conference a cordial invitation to visit Belfast in the year 1898, and that we appoint Sir James H. Haslett, M.P., and Messrs. J. C. C. Payne, J.P., Samuel Gibson, and R. W. McKnight to attend the Conference meeting at Glasgow in August next to give the invitation on behalf of the joint Societies.

Dr. Fielden seconded the motion. He said he was certain that the members of the medical profession who were licentiates of the Pharmaceutical Society would join heartily in the invitation extended to the Conference. He would endeavour to enlist the sympathy of his medical friends in the movement, and had not the slightest doubt that the Conference would be a great success in Belfast.

The Chairman, in putting the motion, said the Guarantee Fund showed clearly that the trade desired to see the Conference in Belfast next year.

The motion was passed unanimously.

On the motion of Mr. McKnight, seconded by Mr. Moffit, a General Arrangements Committee was appointed, and this concluded the public business.

Chemical Society.

AS the meeting on June 17 was the last of the session, and there were several interesting papers as well as a ballot for the election of Fellows, it was a remarkably full one considering the time of the year. The result of the ballot was favourable to all but two of the candidates. Mr. Cassal managed to make known his objections to one of them by asking to have his certificate read, and though the President refused, and informed him that the object of publishing the certificates in the "Proceedings" was to enable Fellows to study them at leisure, his object was attained. The following gentlemen were elected:—William Ackroyd, Walter Harry Barlow, William Malam Brothers, Gerald Noël Brown, Ernest Stuart Cameron, Medwin C. Clutterbuck, B.Sc., Ph.D., William Cranfield, A. Filderbeck Gomess, Frederick Roscoe Grundey, B.Sc., Edward Halliwell, Frank William Harbord, Harold Harman, B. J. Harrington, Ph.D., John Edwin Mackenzie, B.Sc., Ph.D., William Robertson Pollock, Lionel Walter K. Scargill, B.A., James Porter Shenton, and William Taverner.

The first paper on the list for reading was

On the Molecular Refraction of Dissolved Salts and Acids (Part II).

By J. H. Gladstone, D.Sc., F.R.S., and W. Hibbert.

It was a continuation of a previous paper read two years ago, and is especially concerned in replying to the questions, "Has a salt the same molecular refraction whether it be in the crystalline state or in solution?" and "How far is any refraction change dependent on the solvent used?"

The authors emphasised their growing conviction that neither the salt nor the solvent really changes its specific refraction, but that by their interaction some new product or products result, in quantities determined by the proportionate amount of the two original substances. The action may be one of dissociation or of association, or of some hitherto unrecognised redistribution. It is the changing proportion of this new product which makes itself apparent by the changing specific refraction of the solution.

The next paper was

On a Space-formula for Benzene.

By J. Norman Collie, Ph.D., F.R.S.

In opening his paper Professor Collie gave an account of the earlier formulas proposed for benzene, and emphasised the necessity for a space-formula. Any such formula must be symmetrical, and only two symmetrical arrangements are possible, In that proposed six tetrahedra, to represent the six carbon atoms, are arranged symmetrically in space equidistantly from a common centre, and so that they would occupy the six solid angles of an octahedron. They are connected also symmetrically with one another by single linkings. If the six hydrogen atoms (of benzene) are then arranged symmetrically on these tetrahedra, it will be found that there will be three on one side of the figure and three on the other side. Movement in this arrangement might take place in two ways—a movement of each tetrahedron about its own centre, and a movement of each tetrahedron about the centre of gravity of the whole mass. Professor Collie illustrated this by building up a model and throwing a projection of it on the screen by the electric light, when the familiar benzene-ring formula was seen. He then went on to show how some of the difficulties of the Kekulé formula are solved. A rotational movement of each carbon atom about its centre would bring the hydrogen atoms towards the centre of the mass in two distinct sets as single linkages, and these left a point of attraction unsaturated on each tetrahedron. When these were joined to show the centric formula by projection and rotated, it was seen that the projection showed alternately the two benzene formulas of Kekulé—

—showing how the supposed double linkings shift between the carbon atoms, and render two orthochorobenzenes impossible. Moreover, the Professor went on to offer an ingenious explanation of why some substances invariably produce meta-derivatives of benzene, while others produce ortho- and para-compounds, illustrating his remarks by the different results of chlorinating nitrobenzene and nitrating chlorobenzene.

In the discussion which followed, Professor Tilden and others spoke of the great value of such a formula as Professor Collie had proposed, though a slight note of discord arose when Mr. Sworn was moved to claim the whole as undistinguishable from a formula of his own proposal at the B.A. two years ago or more, the general feeling was that this formula enabled a teacher to give reasons for Kekulé's formula, and helped to explain some important industrial phenomena.

The next paper fell rather flat. It was

On the Production of some Nitro- and Amido-Oxypicolines.

By A. Lapworth, D.Sc., and J. Norman Collie, Ph.D., F.R.S.

It dealt with the formation of some derivatives of dioxypicoline, the amido-compound being interesting for the series of brilliant colours it produces when treated with various oxidising agents—deep indigo-blue with ammonia and air, orange-yellow with nitric acid, a deep moss-green with alkaline ferricyanide of potassium, and a brilliant magenta with weak acetic acid and potassium bichromate. These colorations are very similar to those produced when various alkaloids are treated in a similar manner.

The trioxypicoline resembles pyrogallol in many of its reactions, it is an excessively powerful reducing agent, and in alkaline solution will develop photographs.

The next paper was a continuation and enlargement of one previously communicated

On the Absorption of Moisture by Deliquescent Substances.

By H. Wilson Hake, Ph.D.

Having described the apparatus used and the precautions observed to obtain an artificially-saturated atmosphere, the author finds for the salts examined that (*a*) they attract quantities of water corresponding in all cases to a definite hydrate; (*b*) after deliquescing to a maximum there followed in all cases a decline in weight, and in four instances the salts returned to their original hydration and crystallised out; and that (*c*) the amount of hydration, though apparently always corresponding to a definite number of molecules of water, is not always the same, but seems to depend, within certain limits, both on the temperature and the relative humidity of the atmosphere and also on the conditions under which the air has access to the salt. The phenomenon of deliquescence is thus caused by hydration of the deliquescent salt.

Following this was a paper on

The Fusion-point, Boiling-point, and Specific Gravity of Nitrobenzene.

By R. J. Friswell.

Many of the numbers current have been quoted unchanged for sixty years. The author has found sp. gr. solid at 1·5° 1·3440, fluid 2·8° 1·222, 13·0° 1·2160, 28° 1·1931, b.-p.

corr. 209°. Fusion-point + 5°. Mr. Friswell also read a short note on

THE ACTION OF LIGHT ON A SOLUTION OF BENZENE IN CONCENTRATED SULPHURIC ACID.

Nitrobenzene is readily soluble in vitriol, sp. gr. 1·84 and upwards, but on dilution it is precipitated and at about 1·7 the solubility is very slight. A solution in pure concentrated acid exposed to direct sunlight darkens with extraordinary rapidity, and in a few minutes the solution becomes quite black and opaque. Magnesium light has the same effect. The black substance could not be isolated, but its rate of production is undoubtedly a measure of the actinic value of the light.

It was now late; the remainder of the papers on the list were taken as read, and the Society adjourned till November 4.

Pharmacy at the Royal Agricultural Show.

THE annual exhibition of the Royal Agricultural Society was opened at Manchester this week, but it was Wednesday before the show began to assume a presentable shape. The heavy rains of last week have made a perfect slough of the place, and the Jubilee festivities have made anything like conscientious inspection a matter of great difficulty. The attendance has been good, and the weather splendid. Exhibitors whom we have interviewed seemed complacent and satisfied, and, judging from what we have gathered, the show promises to be a good one for exhibitors.

On first entering the ground the show has always much the same appearance, owing to the never-failing presence of the leading firms in the seed-line; and close to these are those exhibits which particularly interest us. We shall deal with these in their order.

Messrs. Morris, Little & Son, of Doncaster, exhibit their sheep-dips, maggot-washes, fly-powders, phenyle disinfectant, sanitary-powders, dog-soaps, foot-rot ointment, &c. The show is equal to any they have made in past years. Their weed-destroyer should also be named. Besides, they show a sheep-dipping tub that holds 70 gallons of wash, and yet sells at a reasonable figure.

Next door but one we found our old friends Messrs. Day & Sons, of Crewe, who exhibit all their familiar and well-tried specialities, some of which, in addition to their red and black drinks and drenches, are excellent instances of galenical skill—for example, myrrhol compound for foot-rot, chloral opiate, etheric ammonia, aromatic balsam of oil, and chalk-mixture. In addition to these, the wants of those further away from purchasing-centres are provided for in complete chests, such as the "Original" horsekeepers' medicine-chest and the dog-medicine chest.

Messrs. Tomlinson & Hayward, of Lincoln, best known for their butter-colouring and preserving preparations, are met with a little further on. Their exhibit covers a lot of ground, metaphorically speaking, for it includes such specialities as sheep-dipping tubs and the dips themselves, especially a liquid non-poisonous glycerine dip, passing by a natural gradient to ear-waters and weed-killers, such as the "Eureka," and even going so far as axle-greases, to say nothing of a specific for lung-worms in sheep, and cattle-oils.

Mr. S. Willson, of Peterborough, has a most interesting collection of veterinary, agricultural, and domestic articles and medicines. The well-known Canadian pig-powder was placed most prominently, and a curd-producer is, we observed, a noteworthy preparation. It is in the form of a dry powder, prepared from the fresh stomach of the calf by percolation.

Messrs. Day, Son & Hewitt, of London, do not make any special departure this year, though their show of medicine-chests is as much to the fore as of yore. It would be superfluous to describe their drenches, horse-balls, chemical-extracts, and gaseous fluids, but it may be as well to state their "Kossian" blood-salt is especially efficacious for blood-complaints, as well as sterility in horses and barrenness in mares.

He would be a blind man who could go into the show and follow the same path as we have and not see Jeyes' Sanitary Compound Company's show. It possesses all its old familiar features and all the time-tested disinfectants, and soaps and sheep-dips are as much to the fore as ever. In fact, the "gentleman" who distributes their literature keeps calling the attention of passers-by to the "old firm," and it is scarcely a fiction to say that a Royal Show without Jeyes is inconceivable.

A closely-allied exhibit is that of Messrs. Newton, Chambers & Co., of Sheffield. By the aid of the very striking and not altogether inartistic trade-mark they have made their "Noxona" sheep-dip well known already. The rest of their exhibit is devoted to a display of the "Izal" disinfectants and veterinary fluids, regarding which there is nothing new to be noted.

There now comes a rest; but the little tramp that is necessary to reach the stands of Messrs. John Symonds & Co., of Totnes, Devon, and London, is rewarded by the advent of something which is more palatable and comforting to the man than anything we have yet seen. So far most of the exhibits have been devoted to the interests of the lower order of animals. If Kent is the garden of England, Devonshire is certainly the vineyard, for the cyders—Devonshire, Chablis, Hock, and Moselle—are forms of liquid refreshment to be in no manner despised. In point of fact, we advise all pharmacists who may visit the show next week to pay a visit to Stand 140, and they will make the acquaintance of some palatable, profitable, and saleable lines.

The same may be said of Messrs. R. Ellis & Sons, of Ruthin, who, in addition to their familiar aërated waters, champagne, lemonade, and quinine-tonic water (a line that pharmacists should note particularly), have their new table-water "Cymralis" on show, it is daintily got-up, as are also the counter display-cards that have been prepared with a view to popularising it. In point of organic purity it undoubtedly rivals the best foreign waters, whereas it has not the disadvantage of the high alkalinity which characterises the waters imported from abroad. It has stood the tests of many analysts, and promises to prove popular at the show. It is no exaggeration to say that to those who appreciate good whisky this diluent should in future be constantly called for. It retains its sharpness as a table-water *per se* in a manner that will commend it to those who prefer their water "neat." Our representative had just time to have a glimpse at Spratt's splendid exhibit, and that glimpse was not sufficient to do it justice, in this issue at least, so the notes regarding it and other exhibits not mentioned in this article will be given next week.

New Books.

Knott, C. G. *Physics: an Elementary Text-book for University Classes* Post 8vo. Pp. 644. 7s. 6d. (Chambers.)

Lupke, R. *Element. of Electro-Chemistry Treated Experimentally.* Trans. from 2nd enlarged edition by M. M. Pattison-Muir. 54 Illustrations. 8vo. Pp. 240. 7s. 6d. (Grevel.)

Norsk Farmaceutisk Etat 1897: *Udgivet af den Farmaceutiske Forening* (Stand der Apotheken in Norwegen, 1897) (i.e. *Official Data on the Pharmacies of Norway*, 1897; *Published by the Pharmaceutical Society of Norway.*) (A. W. Broggers, Bogtrykeri, Christiania.)

Paget, Charles E. *Wasted Records of Disease.* 8vo. Cloth. Pp. 92. 2s. 6d. (Edward Arnold.)

Park, J. *Gold Extraction; Cyanide Process.* Ed. 2. Illustrated. 8vo. Pp. 142. 6s. 6d. net. (Spon.)

Phillips, H. Joshua. *The Handling of Dangerous Goods: a Handbook for the Use of Government and Railway Officials, Carriers, Shipowners, Insurance Companies, Manufacturers and Users of such Goods, and others.* 8vo. Cloth. Pp. xii. and 382. 9s. (Crosby Lockwood.)

Tirard, N. *Diphtheria and Antitoxin.* 8vo. Pp. 142. 7s. 6d. (Longmans.)

Tubeuf, C. F. von *Diseases of Plants, induced by Cryptogamic Parasites Introduction to Study of Pathogenic Fungi, Slime Fungi, Bacteria and Algæ.* Trans. by Wm. G. Smith. 330 illustrations. 8vo. Pp. 588. 18s. net. (Longmans.)

Wakefield, H. R. *Hygiene: an Elementary Text-book adapted to the Requirements of the Science and Art and Certificate Examinations.* Introductory Sketch of Human Physiology. Fcp. 8vo. Pp. 282. 2s. 6d. (Science Text-books.) (Blackie.)

A NOTABLE MARRIAGE.—The civil marriage of Mlle. Yvette Guilbert, the Parisian actress, to Mr. Schiller, an American chemist, was performed very quietly in Paris on Tuesday.

The Drug Trade in the Victorian Era.

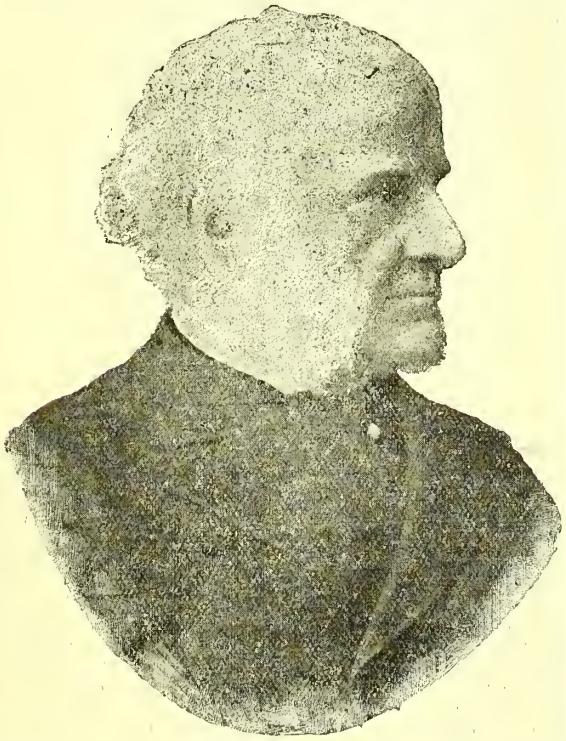
A Group of Old Drug-brokers.

WITHIN the past ten years three of the drug-brokers who were among the most familiar figures in Mincing Lane during the greater part of the Queen's reign have died,

Mr. T. H. Phillips.

although the firms with which they were connected continue to flourish.

Mr. Thos. Hale, of the firm of Hale & Son, who died on



Mr. W. H. Peat.

March 17, 1896, began his business-career as early as 1828 in the drug-broking firm of Tucker & Hunter. He afterwards became a partner in that firm, of which the style was

Mr. Jenkin.

changed subsequently to Ellis & Hale, and, still later, to Hale & Son.

Mr. Jenkin, who established the firm of Jenkin & Phillips, died as long ago as July 20, 1864; and Mr. Thos. Hy. Phillips, his nephew and partner, on May 31, 1887. Mr. Jenkin's business-career began somewhere in the twenties; Mr. Phillips's about twenty years later.

Mr. Wm. Henry Peat, who died on November 22, 1895, commenced his business-life, in 1834, in the house of Mr. Arthur Lewis, of St. Martin's Lane, Cannon Street, E.C.

An Address on Patent Medicines.

Messrs. John Sanger & Sons have shown us a copy of a retail price-list of "Patent and Public Medicines" issued in 1837. It is addressed to "The Nobility, Ladies, Gentlemen, Merchants, and the Public." In his address Mr. Sanger (the grandfather of the present head of the firm) states that "The utility of Patent Medicines is manifested by daily Experience, and the Proprietors of reputable approved Specific Remedies are no longer classed with Quacks. This has induced Patentees and Proprietors of all Genuine Patent Medicines to Caution the Public against being imposed upon by Counterfeit Preparations: those narrow-minded clamorous Professors, who reprobate improvement and discovery as innovation, are silenced by the more respectable part of the Faculty, who do not Scruple to recommend such articles as have acquired celebrity by their intrinsic merit; but it is a subject of regret with all classes of the Community that the most valuable Patent and Public Medicines are frequently counterfeited, and the extent to which this nefarious traffic is carried on is much greater than is generally supposed. There are large manufactories established for the avowed purpose of preparing 'imitations' of the most popular medicines which are sold in all parts of town and

Mr. Thos. Hale

country." The "narrow-minded and clamorous Professors" are with us still, and they have not been permanently silenced, we are sorry to note, by the "more respectable part of the Faculty." This retail list is a lengthy one, and is divided into sections, according to the diseases to be treated, beginning with "for bilious complaints," and comprising groups of medicines for diseases incident to infants and children, for scurvy, for nervous disorders, for agues, for fevers, for disorders of the eyes, for female complaints, for coughs, for corns, for dropsy, and many other diseases. Mr. Sanger was the successor to Mr. Bacon, and the firm retain a much earlier but undated retail list issued by that gentleman, who described his establishment as the "Royal Patent Medicinal Warehouse." Mr. Bacon warranted all medicines sold by him as "fresh and genuine," and announced that "having Considerable Knowledge (from long Experience) in most of the Public Medicines, will at any Time readily give his Opinion to any Person inclined to resort to any of them for Relief or Cure." Mr. Bacon seems also to have known persecution, for he remarks that "however Public Medicines may be insulted with opprobrious Epithets by the interested and illiberal, they are in general possessed of Efficacy and Innocence, superior to many more dignified Prescriptions." "The more intelligent Part of Society know that these Medicines are originally the Result of Discoveries in the healing Art, made by the most eminent Physicians and Chemists in past Ages or the present Æra"; and he (Mr. Bacon) "has embarked his Character and Fortune" in the business.

Fine Chemicals.

Messrs. Jenkin & Phillips have lent us a copy of the printed price-list issued on April 1, 1833, by John Warrick, "importer of the chemicals of Messrs. Pelletier, Roliquet, and Boyveau; and M. F. Levaillant, of Paris, and of French essential oils, perfumed spirits, &c.; also the sole agent for the sulphate de quinine of M. M. F. Levaillant." Just as the wholesale druggists' lists were drawn up in a mixture of English and Latin, so Mr. Warrick's is printed in an odd conglomerate of English and French, possibly for the purpose of impressing buyers.

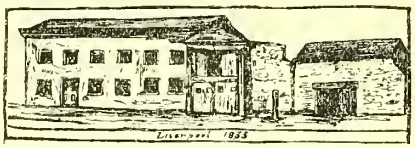
Many alkaloids and fine chemicals occur in the list. Here are some of the quotations given by Mr. Warrick in 1833, compared with those ruling to-day:—

		Warrick, 1833			Lists, 1897		
		s.	d.			s.	d.
Bromine	per oz.	20	0		per lb.	2	1
Brucine	"	90	0		per oz.	2	3
Caffeine	"	120	0		"	19	0
Cyanide of potassium ...	"	6	0		per lb.	1	2
Emetine, pure	"	300	0		per oz.	56	0
Glycerine	"	160	0		per cwt.	58	0
Iodine	"	160	0		per oz.	0	7½
Lupulin	"	2	6		per lb.	2	0
Morphia hydrochlorate ...	"	27	0		per oz.	5	0
Phosphorus	per lb.	32	0		per lb.	2	0
Quinine acetate	per oz.	20	0		per oz.	2	0
Quinine phosphate... ...	"	24	0		"	1	7
Salicine	"	6	0		per lb.	10	3
Strychnine, sulphate ...	"	80	0		per oz.	1	10
Strychnine, pure crystals...	"	80	0		"	2	1
Veratrine	"	160	0		"	5	0

The general lowering in the price of fine chemicals within the past sixty years is even more remarkable than the fall in the value of other materials. The latter is mainly due to increased production, the former to improvements in manufacturing processes. It was only seven years before the issue of Mr. Warrick's price-list that Balard, of Montpellier, discovered the element bromine in the bittern of sea-salt works. The vast bromine-yielding deposits at Stassfurt were unknown. Brucine was one of Pelletier and Caventou's discoveries, and still a novelty in 1833. The chemists mentioned discovered the alkaloid, along with strychnine, when analysing nux vomica, united with a peculiar body they named igasuric acid. Emetine had been longer known—Pelletier isolated it in 1817. Why glycerine, which had been known half a century, should have been so dear in 1833 is inexplicable. Iodine, too, was very dear, and must have yielded an enormous profit to the French makers, but we fancy it should read 160*s.* per lb. Morphine, though a German invention, has never been manufactured largely in that country; France, we believe, was the first to prepare it for commerce, and Scotland now stands where France did formerly. Quinine had been discovered in 1820, and, considering the poor render and high price of the calisaya-bark from which it was made, cannot be called excessively dear. The sulphate is mentioned in Mr. Warrick's list, but no quotation is given. Veratrine was discovered in 1818 by Pelletier and Caventou in cevadilla-seed, but Meissner, in the same year, had extracted an alkaloid from the drug which he called *sabadilline*, and which was probably identical with veratrine. Almost all the earlier alkaloids were discovered by Frenchmen. Truly at that time the saying was justified, "La chimie est une science française."

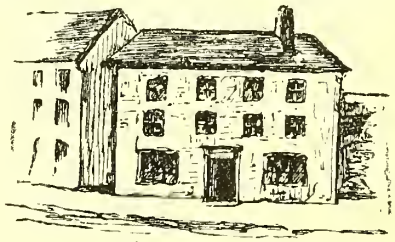
The Evans Houses.

Messrs. Evans, Sons & Co., of Liverpool, date their commercial history from the year 1833, when they came into existence as a branch of the London house of Evans & Lescher. The present head of the firm, Mr. Edward Evans, sen.,



worked in the business with his father from its establishment, and was admitted into partnership in 1840, along with his brother John, who died in 1865. The original Liverpool premises were in Fenwick Street, and were not very imposing. They were afterwards removed to Lord Street, and, later, the old premises of the Bank of England in Hanover Street were taken, and these form the centre of the vast warehouses in which the business of the firm is now carried on. The engraving is of the original premises.

The founder of the business now carried on under the style of Messrs. Evans, Lescher & Webb was Mr. John Evans, who came originally from Worcester, where another branch of his family glided into the vinegar trade. John Evans, having learnt the drug business, joined the firm of Kempson & Yates, of King Street, Snow Hill, in or about the



London 1833

year 1818, and the style of the house became Kempson, Yates, Evans & Parkinson. A few years later Mr. Evans separated from this firm, and, in partnership with a Mr. Stable, formed the firm of Stable & Evans. Mr. Stable went out of the business in 1827, and in 1828 Mr. Joseph Sydney Lescher joined Mr. Evans. In 1833 Mr. Evans founded the Liverpool house, in which for some years Mr. Lescher was a partner. Messrs. Evans, Lescher & Webb have some interesting reminiscences of the past. Among the treasures they have shown us is a ledger marked "Country, June–Dec. 1807–1811;" a London directory dated 1830, in which their firm appears as Evans & Lescher, 4 Cripplegate Buildings; an invoice to Messrs. Stable & Evans (their predecessors) from "Biggar, Atkinson & Dell, Chemists, No. 66 Aldersgate Street, successors to Mr. John Mand," for 2 qrs. 13 lbs. of magnesia carbon., at 6*l.* 15*s.*, 28 lbs. potass. sulphas, at 70*s.*, 1 lb. 3 oz. ol. absinth., at 9*s.*, and 8 lbs. 4 oz. ol. carui, at 11*s.* The invoice is marked by the checker "only 7 lbs. 4 oz. ol. carui." They also lend us a framed copy of the tare allowances, &c., which we have reprinted from

Messrs. Barron, Harveys & Co.'s copy; a copy of Salmon's "London Dispensatory" (1716); a quarto copy of the "Pharmacopœia Collegii Regalis Medicorum Londinensis" (1746); and a fine coloured print of W. Cole's "Physic," dated 1825, which we reproduced on page 956 in our issue of last week.

Grinding Charges.

Messrs. Stafford Allen & Sons, of Cowper Street, Finsbury, send us an interesting note. Referring to prices for grinding drugs, they tell us that previous to 1837 there seems to have been a sweet simplicity of 6*d.* a pound for all the ordinary fine powders, such as rhubarb, jalap, gums, aloes, liquorice, &c. Where powdering was difficult, as with colocynth or nux vomica, the charge was 9*d.* to 1*s.* The trade would be somewhat startled nowadays to see invoices for grinding come in at the former rate of 6*d.* per lb. for such articles as senna, orris-root, cantharides, ginger, insect-flowers, and gentian; whilst 5*s.* per cwt. for grinding rice, 8*s.* for cream of tartar, and 2*d.* per lb. for crushing linseed would be still more striking. It must, however, be borne in mind that the quantities handled in those days were often small. The names of firms in Messrs. Allen's books in the thirties throw some light on the solidity of the drug-trade, when one sees how most of their successors are in the field to-day:—Wm. Allen & Co., Hearon, Bright & Co., Barrons & Harvey, Horner & Fawkes, Ellis, Langton & Co., Davy, Mackmurdo & Co., T. Hodgkinson & Co., Hodgkinsons, Stead & Co., Evans & Lescher, John Wyman, Langton, Langton & Wheatley, Coleby & Phillips, &c.

Hodgkinsons.

One of the metropolitan drug-houses whose history goes farther back than the printed annals of pharmacy is that of Hodgkinsons, Treacher & Clarke, of Upper Whitecross Street, E.C. This firm had its origin in 1762, when Chamberlain & Rugg carried on a wholesale drug-business in Bride Lane, Fleet Street, a few yards from where The Chemist and Druggist is printed every week. The first Hodgkinson joined the firm there, when it became Rugg & Hodgkinson. Then they removed to Upper Thames Street, where a Mr. Brandram joined the firm. The next change was when Mr. Stead was taken in as a partner, the firm name now becoming Hodgkinson, Brandram & Stead. At her Majesty's accession the firm was composed of Francis Stead, George Tonge, John Hodgkinson, and Richard Hodgkinson. The present partners of the firm are Mr. Treacher, Mr. Charles Hodgkinson, Mr. Frank Clarke, and Mr. J. Slinger Ward. The firm unfortunately lost all their records by a disastrous fire some years ago, but they have received from a customer and lent to us a couple of old invoices from Hodgkinson, Brandram & Co., 213 Upper Thames Street, dated respectively November 11, 1824, and September 27, 1827. The former is for an assorted parcel of goods, a regular retail druggist's order, including from 3 lbs. of vermilion at 5*s.* 6*d.* per lb., and 10 lbs. sal prunella balls at 8*d.* per lb., to "200 L.D. gold" at 6*s.* 6*d.* per 100, and 7-lb. pipes peppermint at 2*s.* 8*d.* per lb. The whole was sent off by canal, carriage being paid, it need hardly be said, by the buyer. The courteous letter which was written by one of the partners, as an attachment to the invoice, shows the friendly relations which have always obtained between the partners of this firm and their customers.

At the Sign of the Willow.

The earliest record of the business now carried on by Messrs. Willows, Burgess & Butler, 101 High Holborn, W.C., is of 1751. The house was then established at the present address, but it was much smaller. The business was carried on for many years by Mr. John Cole, who was succeeded by his nephew, Mr. W. H. Cole. In 1854 it was purchased by Mr. Robt. Burgess, of the firm of Yates & Burgess, at whose death the following year Mr. John Willows, who had been associated with Mr. Burgess, became proprietor, and later he was joined by his brother, Mr. Jesse Willows, under the style of Burgess, Willows & Willows. Owing to the death of Mr. John Willows, it became necessary to seek further help, and in 1875 Mr. T. P. Francis became a partner. In 1883 the last change took place by the amalgamation with Foulger & Sons, another old-established concern, and the surviving principal, Mr. Charles Butler, thus became associated with Messrs. Willows & Francis, when the style of Willows, Francis & Butler was adopted.

Drugs for Hospitals.

In February, 1832, the Buying Committee of the London Hospital, when laying in their year's supplies of drugs, requested Howard, Gibson & Co. to send quotations, "with samples," of their preparations, so that they might compare Howard's goods with those of other makers. The committee drew upon themselves this majestic retort:—

> Howard, Gibson & Co. present their respects to the Buying Committee of the London Hospital, and beg to say that the quality of their preparations is so well known at the hospital, and throughout the drug-trade, that they have never been asked for samples in any one instance before. They therefore refer the Committee to what there may be on hand at the hospital of their goods as the fairest criterion of quality.

The first entry in Messrs. Howards & Sons' old letter-book, of which we gave some excerpts last week, is dated May 6, 1820, when the firm was Howard, Gibson & Jewell. The last was made on February 3, 1849. Occasionally one or two whole years are skipped; at other times one of the partners appears to have suddenly remembered the book and used it from day to day. If one were to browse for a couple of days in the chemical and pharmaceutical library of the Stratford firm, one would find material for enough articles to fill the *C. & D.* Here stands a complete set of the Abbé Rogier's *Observations sur la Physique, sur l'Histoire Naturelle, et sur les Arts*, dedicated to Mgr. le Comte d'Artois. The series, which is mainly chemical, begins in 1777. Yonder is a complete file of the *Bulletin de Pharmacie* from 1809 to date. The *Annalen der Pharmacie*, the oldest German periodical in the library, only started in 1832.

"The Begist Holesale Cimester."

In September, 1843, there was delivered at Giltspur Street a letter addressed—

> To the begist holesale Cimester in the market street in London name for got paid.

The Post Office people made the marginal note "Try 6 Giltspur Street" on the envelope, and the epistle has found a place among the firm's relics. These are its contents:—

> pleas to derect to William Gosbee Shuemaker Stoⁿ Kent oil of Oxley near tenterden. Sir i should bee obleghte to you if you would send me word what you sall your enlish and furing honey a pound by the half hundred or hundred wait in the holesell way for me to retaile out by the single pound and wother you go by the gret hundred wait or small hundred wait.

Shoemakers being outside the pale of the firm's business-relations, the letter presumably remained unanswered—at any rate, there is no record of Mr. Gosbee as a customer in the firm's books.

Sainsbury, the Saline Chemist.

Mr. S. Sainsbury, of the Strand, contributes the following note:—

"We were only established here in 1839; prior to that date we were in Bath. At this last place the business, as carried on by Mr. Samuel Sainsbury, the founder of the firm, was, as far as the writer knows, strictly that of a chemist and druggist; and, in all probability, it continued mainly as such after its removal to London in 1839, though we believe Mr. S. Sainsbury called himself, when he opened here, 'a saline chemist,' and discontinued dispensing. The reason for the name 'saline chemist' was that he was then doing a very large trade in seidlitz-powders and other salines. The writer has always understood that the trade in the seidlitz-powders was very seriously affected by the cholera outbreak, medical recommendations being, he believes, issued at the time to guard against the use of salines. Gradually, from the time of its establishment in London, the business began to diverge from that of the chemist, and developed chiefly on the lines of certain specialities. This has gone on and on till there is scarcely anything left to denote its origin. I remember noticing some years back some old weigh-bills, &c., evidently in the early days of the rail, for at times parcels of goods from a firm in Bristol would come

all the way by carriers. The business is now carried on by the three sons of the founder."

We wonder whether Mr. Sainsbury has any authority for his reference to the "weigh-bill." It seems more correct when applied to goods than the more usual "way-bill," and perhaps was at one time adopted. Both "way" and "weigh" have a common origin.

JOHN DALES, MAYOR OF YORK.

Messrs. Bleasdale (Limited), of York, send us a price-list of drugs and chemicals prepared and sold by Butterfield & Clarke (their predecessors), dated 1839. It is a little 24mo book of thirty pages, with the prices written in. They also send us a silhouette portrait of John Dales, at one time

Mayor of the City of York, who established the business as a wholesale house in 1780, when he was an alderman of the city.

AN OLD INVOICE.

Here is an invoice sent to medical man in 1824 by John Wilson (from Allen & Howards, London), 15 Market Place, Hull:—

	£	s.	d.
1 Groce ℥vj. Bles. flat	1	8	
½ Groce ℥xij. Ditto, 36 -		18	
℥iv. Acid. Hydocyanic & Ble. 3*d*., 20 - ...		5	3
lb. iij. ℥vij. Liq. Plumb. Acet. & ble. 8*d*., 1 4		5	3
lb. j. 1 oz. Bals. Copaiva & B. 4*d*., 6 6 ...		7	3
Hirudines, 25 Pot 2*d*., 8 -		2	2
Hamper		2	6
	3	8	5

An invoice dated the next year shows that John Lofthouse had succeeded "the late John Wilson." The same business is now carried on by Messrs. Lofthouse & Saltmer.

BRISTOL REMINISCENCES.

Mr. Algernon Warren, wholesale druggist, Bristol, sends us some chatty reminiscences of the drug-trade there, which we cannot do better than give in his own words:—

My mother tells me that she witnessed the procession in Bristol on the Queen's Coronation Day from the window above Mr. Dowling's chemist's shop in High Street. Mr. Dowling had succeeded Mr. Wood, who was much respected in Bristol. He had exerted himself strenuously to prevent the spread of cholera, and Wood's anti-cholera mixture was left to perpetuate his memory. The principal chemist in Clifton at the time was Mr. Cooper, a leading Bristol citizen. He and Mr. Dowling were accredited with having acquired competences with a rapidity that would be envied in the present day; but Mr. Dowling, like the industrious apprentice made immortal by Hogarth, accelerated his position by marrying his predecessor's daughter. He, in fact, was only in business at High Street for about ten years. At that time my grandfather and his eldest son were carrying on business in Bristol. . . . My grandfather was born in Jamaica, and became a Wesleyan with a charge at Banwell, Somerset, which he resigned, and bought a chemist's business in Carmarthen; then, desiring more scope, came to Bristol. The books of the firm, in 1837, show how fond of bleeding doctors were, for nearly every page of the day-books shows an order for leeches. Amongst customers is the name of the once notorious so-called Princess Caraboo, who subsequently became a dealer in leeches, surgeons' lint, &c.

Prices then were far higher than now, but by no means universally so. Spirit of nitre, for instance, was cheaper; so were some spices. We have an entry of a sale of tamarinds made to Messrs. Hodgkinsons, of London, for several barrels at 56*s*. per cwt. The demand for tamarinds at that time seems to have greatly exceeded that of to-day in connection with pharmacy.

My uncle, Thomas Warren, learnt his trade in London under William Allen, the Quaker and philanthropist. He said 3*s*. 6*d*. was a very ordinary charge for a bottle of medicine at Mr. Allen's establishment, but the work there was conscientiously done, and not slurred. My father came to business not long after, and was sent out to travel when under nineteen.

GOLDEN OINTMENT.

Arising from our remarks on Messrs. Shaw & Edwards's catalogue, we have received from Mr. Stephen Green, 210 Lambeth Road, S.E., several letters which passed between his predecessor, Mr. William Singleton, and that firm regarding Singleton's golden ointment, which deserve mention here although they have nothing whatever to do with the Queen's reign, as they date back at least thirty years before that. But the letters have striking interest in view of modern cutting. Messrs. Shaw & Edwards, writing to Mr. Singleton on March 28, 1803, say:—

We hope you do your best with us, or will do. We only mention this as a customer of ours was braging how well he could procure the article and undersell us.

To that Mr. Singleton replied on March 29, in a very good letter, stating that all who bought of him, except "venders," paid the retail price. "The price you sell it to others I do not ask, nor have I any business with it," he added; and his original terms were 17*s*. per dozen, with 10 per cent. off, but he had increased the discount to S. & E. to 15 per cent., and was prepared to make it 20 per cent. if they paid cash. Whether this was agreed to or not the correspondence does not show; but a year later Mr. Shaw and Mr. W. Singleton were conferring together, and were apparently on very friendly terms, although Mr. Singleton would not consent to make S. & A. his sole agents. "I conceive," he says, "it would be a great piece of impropriety in behalf of myself to say I would appoint you or anyone else whole and sole vendor of this article." Many other interesting letters of old date have been lent to us by Mr. Green, which we hope to utilise later.

Reviews and Literary Notes.

The Tutorial Chemistry. Part I. Non-metals. By G. H. BAILY, D.Sc., and W. BRIGGS, M.A. London: W. B. Clive. Small 8vo. viii + 226 pp. 3*s.* 6*d.*

Elementary Qualitative Analysis. By W. BRIGGS, M.A., and R. W. STEWART, Ph.D. London: W. B. Clive. Small 8vo. iv + 78 pp. 1*s.* 6*d.*

THESE books may be considered together, as they belong to the University Tutorial Series, and are intended specially as text-books for the London University chemistry examinations, in the first stages presumably. Dr. Baily's book is carefully written, and interesting. It is not an armchair book, because in the course of reading it the student encounters more than one hundred experiments which demonstrate some principle or important law in chemistry, and if he perform these he cannot fail to get a thorough grasp of the science from the outset. Dr. Baily is inclined to prescribe unnecessarily large quantities of substances for reactions—*e.g.*, 15·8 grammes of mercury and 10 grammes of iodine for the production of mercurous iodide; subsequently, 20 grammes more of iodine are employed, so that 1*s.* 6*d.* will be swallowed up in demonstrating what could as easily be done with 2*d.* worth of the materials. We suggest some modification of the experiments to meet this objection. It is, we may add, the most serious fault we have to find with the book, which, as far as one who has long passed the first stage of chemical studies can judge, is well designed to teach and to educate—two factors not, as a rule, found together in such text-books.

The second book above mentioned does not differ materially from others of the same character, except perhaps on the score of cheapness and compactness. After some clear hints and notes on analytical methods, the reactions of bases and acids are described, and a scheme is appended for isolating these from mixtures. In the latter due prominence is given to dry reactions. Short paragraphs are appended to each of the bases mentioning which are their common soluble salts.

The Chronicles of Christopher Bates (published by the Roxburghe Press) is by Ebenezer Rees, who, we are informed, is a chemist's assistant. Mr. Rees writes with a good deal of fluency, no little humour, and some Carlylese. In narrating the life of his hero, he finds plenty of opportunity to ventilate his political, religious, and social ideas—and he evidently has a good many. Unfortunately, however, the subject of his record is a somewhat commonplace character, and Mr. Rees, with all his cleverness, has not succeeded in investing Christopher's career with the charm of romance, nor with much of the attraction which appeals to the rest of us who are leading commonplace lives.

MESSRS. WHITTAKER & CO. will immediately publish a work on organic chemical manipulation, on which Dr. J. T. Hewitt, of the East London Technical College, has been engaged. The first part of the text-book will give an account of the methods adopted in organic analysis and the determinations of molecular weight, the second part being devoted to a typical set of organic preparations, systematically arranged, and intended to give an idea of the methods opadted in organic work.

The feeding of babes is a subject which chemists and druggists should be "up" in especially when they can read such an honest and straightforward treatise as Dr. Edmund Cantley's "Natural and Artificial Methods of Feeding Infants and Young Children." It is intended for medical practitioners, and we question if there was any department of medical literature which so much needed strengthening as this one, or anything upon which each successive generation of medical practitioners need instruction. The fact of the matter is, that the subject is one in which expertness depends more upon domesticity and paternity than upon scholastic tuition and private practice. That is our way of of thinking, and Dr. Cantley's book is excellently done. It begins, properly, with several chapters referring particularly to the care of the mother, many little points being explained which become of the greatest importance for the infant's welfare; then come chemical and physiological considerations of human milk, and all about breast-feeding up to the time and methods of weaning. Artificial feeding is then dealt with very fully, cow's milk being contrasted with human milk, and the methods of fitting it for administration being described; and so the book goes on until the growth of children is dealt with in the concluding chapters.

One chapter of the book is of special interest to pharmacists—viz., that on Proprietary Foods. The author discusses these temperately, on the whole, but he is "strongly of the opinion that the mortality among infants would be enormously diminished if it were possible to abolish all these preparations or to render it illegal for a mother to give them to her infant, if under one year old, except on medical advice." The foods discussed are condensed milk, frame-food, Ridge's, Neave's, Nestlé's, Wells & Richardson's, Mellin's, Benger's, Savory & Moore's, Carnrick's, Horlick's, Loeflund's, and Allen & Hanburys'. Elsewhere in the book Fairchild's peptogenic milk-powder is favourably commented upon; we do not mean by this that the before-mentioned are condemned, but Dr. Cantley in the special chapter speaks more freely of the limits to the uses of farinaceous foods. In an appendix to the book are a number of exceedingly useful recipes for foods of all kinds. The book is published by Messrs. J. & A. Churchill, and there is so much in it of a popular character that by eliminating those chapters which interest professional men chiefly an excellent handbook for mothers and nurses would remain. Will the author and the publishers consider this suggestion?

An American text-book running to 100 pages or so seems to me such an anomaly that we think when such a book comes into my hands that the author is not as patriotic as he should be. A thousand pages, more or less, is the normal condition of things—at least in medical and pharmaceutical work. It is Professor Peter T. Austen, of Brooklyn, who in "Notes for Chemical Students" provides us with the tithe. We confess to having felt inclined to pass the book by unnoticed at the first reading, but as we went on we became more and more interested, and the author took us into speculative regions, and gave us such plays of fancy that we could not help feeling—"This is the very book for a thoughtful chemical student. Here he will find that chemistry is not a mere set of laws and series of reactions, but is a brain-developing science, one which will make him think." One does not always get that feeling from a small text-book—indeed, it is rare. The reason why Professor Austen succeeds is because he writes upon chemical principles—volumes, molecules, atoms, valence, matter and sensation, &c.—and half the interest of what he writes is in the manner he puts it. The book is in the second edition and first thousand; it contains the new spelling—*e.g.*, sulfid, chlorin, &c.—and we may safely predict that it will never be popular. The price is 4*s.* 6*d.*, and Messrs. Chapman & Hall are the English publishers.

Of the same series as the last-mentioned book is Professor John A. Mandel's "Handbook for the Biological Laboratory," which describes how a large number of animal and vegetable products used in physiological work are prepared in a pure state, and to which is added an alphabetical list of important biological tests. It contains a great deal of valuable information, and should be useful to chemists who are asked to prepare such things as hypoxanthin, lecethin, myosin, nuclein, serum albumin, &c. The properties of the substances are in all cases described. The book is the same price as the above, and is published by Messrs. John Wiley & Sons, New York, and Messrs. Chapman & Hall, London.

SMITH BROTHERS, of "S. B." cough-drop fame, whose senior partner was the late Prohibition candidate for Governor of New York State, have sent to each member of the N.Y. Legislature two boxes of their cough-drops and a large paper-weight. The paper-weight is a metal reproduction of the cough-drop, and weighs about half a pound.—*Printers' Ink.*

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A JUBILEE VOLUME.

THAT the fiftieth volume of THE CHEMIST AND DRUGGIST should come to a close in the very week that the British Empire is celebrating the Diamond Jubilee of the Queen's reign is in accordance with the fitness of things. We might have said last week that trade journalism is a product of the

Victorian era, for not until THE CHEMIST AND DRUGGIST was established in 1859 did the British Empire boast of a trade journal of any kind. The scheme of the founders, as was unfolded in each number of the first volume, was seen to be something perfectly novel, since it combined the atmosphere of the shop, the movements of the market, the spirit of the trade, and the pharmaceutical news of the day with as much of law, literature, medicine, and science as the busy commercial man found needful for his work, and to help him keep pace with progress in the craft. The original prescription still meets, in the main, the affection for which it was designed; we only claim, as good pharmacists, that our dispensing is better nowadays, we take greater care to ensure that the active principles are fully represented in the finished article, and that it has elegance appropriate to the times. That is our claim, not our boast.

The fact that there are scores of trade journals to-day—there is scarcely a craft or trade which has not one or more "organs"—and that there is not a spot on the field unoccupied, is good enough evidence that trade journals are a necessity to those engaged in the particular trades. A row of fifty volumes of THE CHEMIST AND DRUGGIST, each succeeding one bigger than its predecessor, does not mean publishing enterprise merely, for readers have a share in the growth. To them an independent trade journal—a publication which is the partisan of no party, and whose interests are openly expressed number by number—means an organ for free discussion of trade subjects, for communication of ideas which may be of general utility, and for the solution of problems of all kinds pertaining to the trade. Matters such as these have unquestionably played an important part in the growth of THE CHEMIST AND DRUGGIST. We have had another and more potent influence affecting development in an ever-widening circle of readers. There must have been a time when we had no subscribers at all, but that was before the first number was published. From the first the word "insular" did not enter the founders' conception of the journal's possibilities; hence, while progress has been going on at home, so that every retailer and wholesaler connected with the British drug-trade must have his CHEMIST AND DRUGGIST direct or indirect, it has become as familiar in every nook and cranny of the British Empire. There was not a colony represented in the Queen's pageant on Tuesday whose chemists and druggists are not in as direct touch with 42 Cannon Street as the trade in Birmingham or Brighton; and if we cannot say the same of the drug-trade of foreign countries who then honoured our Queen, we know at least that the pick of the trade in them get the *C. & D.* These facts are more significant to us than to anyone else, since each one takes the journal because it suits him, and without giving thought to what his *confrère* in Australia, Canada, England, or India thinks of it; wherein they do us compliment, as it is our aim to make the journal welcomed by all.

To-day we make a record: our pagination is carried into four figures—viz., 1.014 pages, exclusive of the index, which brings the total up to 1,026 pages. This for a six months' volume has never been touched before by us or any other journal of pharmacy and the drug-trade. What it may yet reach we do not prophesy, nor shall we now attempt to predict what the next half-century of volumes, or even the next one, may contain. It is simply our duty to record events and movements as they occur, and to reflect the progress of pharmacy whatever it may be. We do not anticipate retrogression, and as long as business is to be done between the producing and distributing sections of the chemical and drug trades of the British Empire and countries in business touch with it, so long, we hope, THE CHEMIST AND DRUGGIST will be regarded as an influential medium for promoting that business and an impartial exponent of the trade's interests.

CARBOLIC ACID SCHEDULED IN IRELAND.

IT will be noted with satisfaction that the Government authorities in Ireland have agreed to the Royal College of Physicians' proposal that the sale of carbolic acid should amongst other things be treated as a poison, and henceforth it may only be sold by legally qualified persons. This is a timely regulation, and may help to induce the medical advisers of the British Privy Council to accede to the suggestion made by the Pharmaceutical Society, and supported by coroners, medical authorities, and all who have studied the subject seriously, to place the acid upon the poison schedule. During the past fortnight we have received particulars of about a dozen deaths resulting from the careless handling of the poison or its intentional use for suicidal purposes. These fatalities will go on as long as carbolic acid can be obtained with no more difficulty than beer. We would also call the attention of the authorities to a communication in the *Medical Journal* by Professor Mann, of Owens College, on "The Statistics of Carbolic-acid Poisoning," wherein he goes over the ground which we have done annually since carbolic acid became a real public danger. We need not, therefore, quote his figures, as his conclusion is the chief thing. It is as follows:—

> These figures speak eloquently in favour of some restriction in the sale of carbolic acid to the general public. Surely the time has come when a poison which accounts for 224 suicidal deaths out of a total of 580 caused by poison in one year—a proportion coming within measurable distance of one-half—should be placed out of the reach of those who, probably for the most part only for the moment, estimate the value of life so cheaply as to throw it away in a fit of anger or of maudlin intoxication. It is not my purpose again to go over the grounds for believing that, although restriction in the sale of carbolic acid would not save the equivalent of every life which is taken by that poison under the present state of the law, it undoubtedly would save a very large proportion of lives thus lost. When consideration is bestowed on the fact that in 1895 the number of suicidal deaths from opium—the poison which stands next highest to carbolic acid as a suicidal poison—amounted to only 68, carbolic acid accounting for 224, it must be allowed, for reasons previously given, that *facility of access to a poison is a direct incentive to a suicidal act.*

The words which we have italicised are the *crux* of the whole matter, and poison history since the passing of the Pharmacy Act thirty years ago shows that public convenience is not jeopardised by placing the sale of potent compounds in the hands of men qualified to see that the purchasers are likely to put them to proper use. With the accumulated experience of the past five years regarding carbolic acid, and the precedent now given by Ireland, we have some confidence in expressing the hope that the Whitehall authorities may now see their way to treat the sale of carbolic acid as that of laudanum is treated.

JUBILEE HONOURS.

WHEN royal honours are to be dispensed in abundance the omissions are most astonishing, and Tuesday's list appears to be no exception to the rule. There is grumbling, but science—especially chemistry and medicine—has little reason to be dissatisfied. The first name that we find in this connection is that of Sir William MacCormac, F.R.C.S., the distinguished Irishman who presides over the Royal College of Surgeons. He is made a baronet; his knighthood dates from 1881, when he acted as Secretary of the International Medical Congress. Another surgeon, Mr. Thomas Smith, F.R.C.S., Surgeon-Extraordinary to the Queen and senior

surgeon of St. Bartholomew's Hospital, receives a similar honour, which is also conferred upon Dr. Samuel Wilks, President of the Royal College of Physicians and Physician-Extraordinary to the Queen. Knighthoods are bestowed upon Dr. Wm. R. Gowers, F.R.S., a well-known West-End specialist; Dr. Felix Semon, whose work on the throat and kindred subjects has given him a first place in London medical circles; and Dr. Richard Thorne-Thorne, the head of the medical department of the Local Government Board, deservedly obtains his K.C.B., for his unobtrusive work at

SIR W. MACCORMAC, BART.

SIR FELIX SEMON.

Whitehall has had much influence upon public health. Mr. Henry Burdett, who has had the management of the Prince of Wales's Hospital Fund, and, indeed, has for years been working hard in getting funds for the hospitals of London, and has made hospital design, management, and co-related matters a speciality, also gets a K.C.B. Besides medical practitioners in civil life who have received honours, several connected with the army and navy have also had dignities conferred upon them; and we observe with satis-

SIR RICHARD THORNE-THORNE. K.C.B.

faction from the supplementary Irish list that a knighthood has been conferred upon Dr. G. F. Duffey, the genial inspector of the Pharmaceutical Examinations in Dublin, who is President of the Royal College of Physicians of Ireland. Dr. W. Thomson, President of the Royal College of Surgeons of Ireland, also receives a knighthood. In Dr. Edward Frankland, M.D., one scarcely recognised the distinguished chemist, whose K.C.B. is thoroughly well earned. He is D.C.L. and LL.D. as well as M.D. He studied chemistry under Lyon Playfair, and afterwards under Bunsen and Liebig. His original work in chemistry extends back nearly half a century, for in 1850 he constructed the eudiometer and described it to the Chemical Society. With this he made the first analysis of ethyl, which was the beginning of a long series of organic researches continued for over twenty years. He was professor of chemistry at St. Bartholomew's Hospital and at the Royal College of Science. He devised a system of chemical formulæ, which was instructive while it lasted. Latterly he has acted for the Local Government Board as chemical reporter on the London water-supply. He was President of the Chemical Society from 1871 to 1873, and first President of the Institute of Chemistry. Another ex-President of the Chemiual Society, Mr. William Crookes, F.R.S., receives a knighthood. He is editor of the *Chemical News*, and one of only three editors in the list—a fact which is much deplored by the daily press. In the list he is called Professor Crookes, in sympathy with a common error, for although Mr. Crookes was teacher of chemistry in Chester Science College in the fifties he has never used the title Professor. He studied chemistry under Hofmann in Oxford Street, and acted as his assistant. After his Chester experience he returned to London, and has edited the *Chemical News* continuously for forty years, also writing many text-books. Yet it is as an investigator that he is best known, and certainly there are few more pains-taking workers and prolific discoverers in English chemistry. Since his discovery of thallium in 1861 his work has largely incorporated physical as well as chemical methods, and many optical as well as electrical discoveries have been made in his laboratories. His researches in regard to electrical phenomena in vacua made x-rays possible. Professor Norman Lockyer,

SIR EDWARD FRANKLAND, K.C.B.

SIR WILLIAM CROOKES

As they were when Presidents of the Chemical Society.

F.R.S., the Editor of *Nature*, whose astronomical work has lately shown some curious parallels to Sir William Crookes' spectroscopic observations, becomes a K.C.B. Technical chemistry is recognised by the bestowal of a baronetcy upon Colonel David Gamble, C.B., of St. Helens, the well-known alkali-manufacturer, who as much as any Englishman has tried to make the most of the Leblanc-process. He is the son of Mr. Josias Christopher Gamble, who, after being a Presbyterian minister in Ireland, became one of the pioneers of the Lancashire chemical industry. Their business was absorbed by the United Alkali Company, of which Colonel Gamble is a director. Colonel Gamble is an ardent volunteer, and was the first Mayor of St. Helens, on its incorporation in 1868. A working-men's institute (Gamble Institute), which was built and endowed munificently by him, was opened at St. Helens by the Earl of Derby in November last. The institute contains a free library and a technical school, the latter comprising engineering-laboratories, class-rooms, and lecture-rooms for technical training of every kind, including a chemical-laboratory, an art studio, and cookery and laundry work-rooms.

ROCHE'S EMBROCATION AND FORD'S BALSAM.

In writing last week regarding Messrs. W. Edwards & Son's old price-lists (page 976), there occurred an expression in connection with Friar's balsam, Dalby's carminative, and Huxham's tincture of bark—viz., "the proprietary rights in which, if they ever existed, seem to have perished some time during the Queen's reign." It is possible, Messrs. Edwards think, that the clause may be read along with the earlier part of the sentence, and we therefore wish to make it perfectly clear that Messrs. Edwards & Son hold the proprietary rights in Roche's embrocation and Ford's balsam of horehound, having acquired these by purchase many years ago. It will also be understood that all the specialities named (Henry's magnesia, &c.) in the first part of the sentence referred to are the property of the firms who still manufacture them.

ARSENIC IN PEPPERMINT-LOZENGES.

In connection with the death of Mr. F. M. Rimmington, the *Bradford Observer* mentions that many years ago Mr. Rimmington was employed as analyst in a poisoning-case which procured the town an unenviable notoriety. A quantity of peppermint-lozenges, in the manufacture of which arsenic had been used by mistake for plaster of Paris, was extensively sold, and an appalling number of people were taken ill and and died. As soon as the discovery was made the bellman was sent round the town to warn people who had bought the lozenges against eating them, but in many instances the warning came too late. Mr. Rimmington carefully preserved a number of the lozenges, and a contemporary copy of *Punch* containing a reference to the affair, and these are still in existence.

INFALLIBLE PLAGUE-CURES.

An indignant gentleman called Raghoba y Bhalshankar, who signs himself "Government Pensioner and Indian Physician," writes to the *Bombay Gazette* complaining that the authorities turned a deaf ear to him when he informed them that he possessed several infallible, or almost infallible, cures for bubonic fever. "During the last three months," Mr. Bhalshankar writes, "we have invented five different remidies, and in all the preparations, I, and my friend, a Unani homœopathic practitioner, were successful in about 250 trials except twenty old cases. In all our treatments I was paid Rs. 4 as my visiting fee, and annas 6 for medicinal expenses in six cases." Mr. Bhalshankar does not say what his remedies are, although we have no doubt that the editor of the *Bombay Gazette*, less tape-bound than Government, would have willingly published the formulæ. But why, one should like to know, when the first remedy proves infallible, go on discovering four more?

CHINESE BLUE.

We have occasionally recommended Chinese blue for making washing-blue, and invariably the recommendation has been followed by such inquiries as "What is Chinese blue? My wholesale house never heard of it." Chinese blue is a variety of Prussian blue. Mr. Frank H. Leeds, in a recent communication to the Society of Public Analysts, states that in the printers'-ink trade Prussian blue is met with under four different names—bronze, pure, Chinese, and "Prussian" blue. All of these are equally pure from the laboratory point of view, but each variety possesses, when ground in "varnish," a distinct shade of colour. Bronze blue is the basis of that dark-blue ink so often seen on the covers of magazines which is specially valued for its coppery, or bronze, lustre. Pure blue yields almost the same shade of ink, but devoid of bronze. The material having the most pronounced coppery lustre is known as Chinese blue, and, when ground in oil, produces a brighter and slightly paler cast of blue, almost devoid of bronze. "Prussian" blue is not so often met with; it yields a much darker, duller shade of ink, more resembling indigo as a water-colour pigment, and some samples contain a considerable excess of basic iron—that is, about 23 per cent., as compared with 18·9 per cent., the mean in the other blues.

Personalities.

MR. H. S. WELLCOME has been appointed President of the Dartford Free Lecture Society.

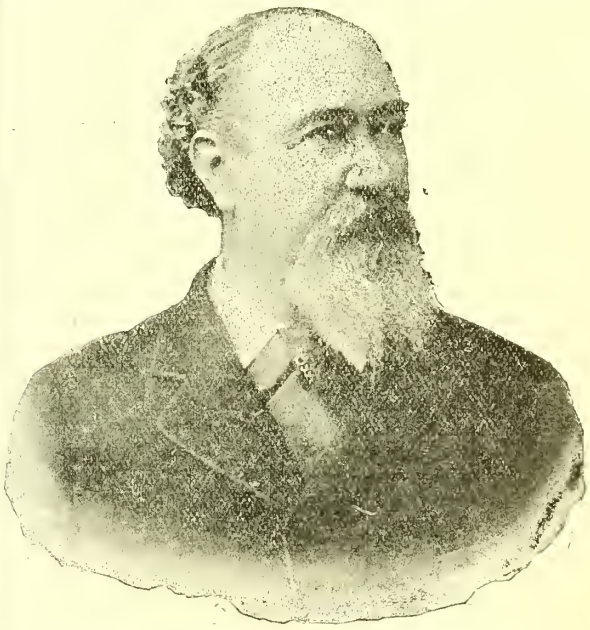
MR. H. H. LYMAN, of the firm of Lyman, Son & Co. (Limited), of Montreal, wholesale druggists, is now in London.

MR. BRENT GOOD has come to London, and hopes to come to conclusions with the syndicate who wish to buy Carter's little liver-pills.

MR. W. H. CHAPMAN, pharmaceutical chemist (G.B Major 1881), President of the Montreal College of Pharmacy has been appointed Professor of Practical Materia Medica, in the Medical Faculty of Bishop's College.

MR. J. H. TWEEDY, late manager of the firm of Messrs. T. W. Gray & Co., chemists, Belize, British Honduras, has been appointed manager of "The Pharmacy," a new drug-store which is to be opened there in a few weeks.

AN interesting sketch of Mr. Wm. Richard Warner, the head of the Philadelphia drug firm of Wm. R. Warner & Co., appears in the *Financier* of New York. Mr. Warner was born in Maryland sixty years ago. He was thrown on his own resources when but a boy, and, after a rather meagre school-training, got a berth with a drug firm at Easton, where he obtained some facilities for acquiring scientific



knowledge, which he seized eagerly. In 1856 he graduated at the Philadelphia College of Pharmacy, and afterwards started as a popular lecturer on chemical subjects. Then he went into business as a retailer, and in 1866 he commenced a wholesale business. His sons, Wm. R. Warner, jun., and Charles Warner, now assist him in the business. Mr. Warner is distantly related to George Washington, and, since attaining wealth, has honoured his parentage by collecting over one hundred portraits of the "Father of the Country." The collection of paintings is Mr. Warren's hobby. He has been a member of the U.S.A. Pharmacopœia Committee, and still is one of the Philadelphia College of Pharmacy. Mr. Warner is at present in London, and will attend the International Medical Congress at Moscow.

Legal Reports.

SALE OF FOOD AND DRUGS ACT.

Inject. Morphinæ Hypoderm.

At the Kensington Petty Sessions, last week, Alfred Wigginton, chemist and druggist, trading as Allsop & Quiller, of 137 Sloane Street, was summoned by the Chelsea Vestry, under the Food and Drugs Act, for selling injectio morphinæ hypodermica which was 42 per cent. below B.P. strength. Mr. Vaughan Williams, who defended, said he proposed to plead guilty to a technical offence, and explained that his client occupied an excellent position as a chemist. The inspector went into the shop one day, and produced a prescription for the injection. The assistant asked him to return in an hour, but the inspector required the article at once. In consequence, the assistant supplied 6 dr. Had the assistant had more time, the article would have been more satisfactory. He could only explain the lowness of the strength by the fact that the salt must have been lost in the making-up. To find this out required a delicate experiment. The defendant was anxious that those circumstances should be made known. He could call a medical gentleman (Dr. Frankish), who was well-known in the district. He would speak to the defendant's accuracy in making up prescriptions.

Alexander Grant, the inspector, was called. The Chairman: Is it a fact that you urged the assistant to let you have this article at once? Witness: No, it is not. I entered the shop and handed the assistant the prescription. He said it would require some time. I said, "How long?" He said, "Some considerable time." I said, "Very well, I will leave the prescription with you. I am going a little further on, and will call back in twenty minutes or half an hour. Will that be long enough?" He said it would, and I went out. When I came back he gave me what I wanted. I paid him for it, and told him I had purchased it for the purpose of having it analysed by the public analyst. I divided it into three parts. One I left with him, one I sent to the public analyst, and the remaining one I now produce.

Mr. Williams: Oh, I am sorry I touched on anything which was of a contentious nature. The inspector went to several places that afternoon, and I expect his memory is not very good as to what occurred at my client's shop. I can mention that only 6 dr. were supplied, and that more was asked for. However, we admit the offence. The Chairman said it was important that chemists should be very careful, because people might suffer through their carelessness. There would be a fine of 40*s*.

Lin. Iodi and Pot. Brom.

Also at the Kensington Sessions on the same day, Charles E. Ashby, chemist and druggist, 38 Blautyre Street, S.W., appeared in answer to two summonses for selling linimentum iodi which was 80 per cent. below the strength prescribed by the British Pharmacopœia, and bromide of potassium which was 10 per cent. below the strength. The defendant admitted the offence, and stated that it would not occur again, as he was leaving the business. He was 80 years of age and was very deaf. The Chairman: There will be a fine of 1*l*. in each case.

Robert M. Nelson, described as a chemist, 342 King's Road, Chelsea, was also summoned for selling linimentum iodi which was 80 per cent. below the strength prescribed by the British Pharmacopœia, and bromide of potassium which was 15 per cent. below the strength. The defendant pleaded guilty and said he had made a mistake. The Bench imposed a fine of 1*l*. in each case.

Spt. Æther Nit.

The adjourned hearing of the case at Northfleet Police Court against Charles R. Sharman, chemist and druggist, Northfleet, for selling 4 oz. of spirit of nitrous ether alleged to be deficient in strength, was disposed of last week. We reported on June 5 that Mr. M. Adams, M.R.C.S., the Kent county analyst, certified the spirit to be deficient in nitrous ether, as it contained only 1·36 part per cent., whereas the British Pharmacopœia requires it to contain 2 per cent.

Dr. B. H. Paul, for the defence, disputed the accuracy of Mr. Adams's figures, and maintained that the sample was good. The Magistrates sent the reserve sample to Somerset House, and the chemists there settled the matter by stating that the sample was unfit for analysis, as the bottle was only half full and imperfectly corked. The summons was therefore dismissed.

Spent Ginger.

At Kirkham Police Court, on June 16, Mrs. Knowles, grocer' St. Annes-on-Sea, was summoned for selling ground ginger which the Public Analyst reported to contain 10 per cent. of spent ginger.

Mr. G. Ambler, who defended, stated that the third sample left with defendant had been sent to a public analyst by Messrs. Marsden & Kay, wholesale druggists, Preston, who supplied it to the defendant, and this analyst certified that the sample was genuine. The case was therefore adjourned until a report on the reserved sample could be obtained from Somerset House.

A similar adjournment was granted in a case against Mr. Edward Jolly, St. Annes, who had sold ginger alleged to be mixed with exhausted stuff.

EXCISE PROSECUTION.

Ginger-beer.

At Ashton-under-Lyne Police Court on June 17, Agnes Yeadon, Lees, was summoned for selling beer without a licence—viz., ginger-beer, which the Somerset House analyst found to contain 5·1 per cent. of proof-spirit. Defendant said she had had the beer in stock all the winter. She bought it and sold it as non-intoxicant. She was fined 5*s*. 6*d*. and costs, including 3*l*. 10*s*. analyst's fee—in all 4*l*. 7*s*.

MADAME DOUGLAS COMMITTED.

At Exeter, on Wednesday, Louisa Rebecca Fenn, who has traded as Madame Douglas, 127 Gaisford Street, London, and has widely advertised medicines for female irregularities, was charged with supplying or procuring certain drugs or noxious things called aloes, she knowing that they were to be used for producing miscarriage. Sergeant Crooke, who had posed as Miss Florence Bluett, a person in the family way, was the purchaser of the medicines, and gave evidence. He obtained from prisoner a bottle of mixture and twelve pills, paying 8*s*. 9*d*. With them the directions were given, including specific instructions for a foot-bath. On June 20 he arrested the prisoner at the address named. On the premises he found hundreds of letters testifying to her cure, or stating that the medicine had had no effect, whilst in other letters people complained that they had had no medicine. Counterfoils of two cheque-books showed that 600*l*. had been paid to newspaper-proprietors for advertisements during six months. In a bath-room he found a number of bottles containing drugs, a pestle and mortar, and various medicinal powders, including some citrate of iron, a sample of which he took. In another room he found a large number of empty bottles stacked, and thousands of pills; also two sacks filled with torn-up letters. He took samples of the drugs. On a label on one of the bottles were the words "Dec. Aloes Co., 1 to 3." The bottles of mixture contained twenty doses, and were labelled "One tablespoonful to be taken three times a day." The pills were labelled "Iron and Aloes."

Mr. Frank P. Perkins, F.I.C., public analyst for Exeter, said he had made an analysis of the pills, which contained sulphate of iron and aloes. The mixture was a solution of citrate of iron and ammonia. On incineration it left 2·307 gr. of oxide of iron per oz., or about 6·1 gr. of the double citrate. The mixture also contained peppermint. Witness was cross-examined by Mr. Crompton, and in reply to him stated that he could not say that similar pills were sold by the Pharmaceutical Society, but they were mentioned in the British Pharmacopœia. In reply to the Deputy Chief-Constable, he stated that the pills contained 1 gr. of aloes each.

Dr. A. Kempe, M.D., said the effect of the taking of pills containing aloes and iron by a pregnant woman would be to produce frequent action of the bowels, and if continued would probably produce uterine action and abortion, especially in the early stages. The effect of the continued taking of the pills, in addition to the mixture and the carrying out of the instructions given, would be to increase the chances of abortion.

Mr. Crompton submitted there was no *primâ-facie* case against the defendant because there was no noxious drug supplied within the meaning of the Act, and because there was no woman in the case.

The Magistrate, however, thought a *primâ-facie* case had been made out, and committed the defendant to take her trial at the ensuing Devon Assizes, bail being allowed in one surety of 500*l.*

COUNTY COURT CASES.

ARTIFICIAL TEETH NOT A NECESSITY.

AT Bolton County Court on Friday, before Judge Wynne Ffoulkes, Mr. John Pendlebury, dentist, Atherton, claimed 1*l.* 6*s.* 6*d.* on account of a set of artificial teeth supplied to a girl 18 years of age. His Honour held that artificial teeth did not come within the meaning of the term "necessaries" in the Act, and the action for the recovery of a debt against a minor could not be upheld, but the defendant, who did not dispute the debt, agreed to pay the amount owing.

FOR RED NOSES.

LEONIO THOMASSO, a patent-medicine vendor, was summoned at the Southwark County Court, last week, at the instance of Mr. Bowles, newspaper-proprietor, for a debt of 33*l.* for advertising a cure for red noses and the reduction of adipose tissue. On behalf of the defendant it was pleaded that he was heavily in debt, and could not possibly pay; but, as it was proved that his premises were on the line of the Royal procession, and that he would make "a tremendous amount of money" by letting seats, he was ordered to pay 3*l.* per month, or in default to go to prison for twenty-one days.

CLAIM FOR CHEMICALS.

IN the Westminster County Court on Wednesday Judge Lumley Smith, Q.C., had before him the case of Welby *v.* Hargreaves and another, in which the plaintiff sought to recover the sum of 18*l.* in respect of photographic chemicals supplied to their order. The defendants appeared and said they admitted the debt, and were willing to pay 5*s.* a month between them, which was the most they could possibly do. His Honour made that order, and advised them to keep up their payments regularly.

COMMITTAL OF A CHEMIST.

IN the Westminster County Court on Wednesday Judge Lumley Smith, Q.C., had before him on a judgment summons the case of Hunt *v.* Foxley, in which the plaintiff applied for the committal of the defendant, stated to be a chemist carrying on business at Hampstead, for non-payment of a judgment debt for goods supplied. Plaintiff's representative said the defendant was in a good position to pay, and as he did not attend the court his Honour made an order for payment in a month, subject to committal in default for twelve days.

THE PRICE OF PUMICE.

IN the London Lord Mayor's Court, on Friday, before the Common Serjeant (Sir Forrest Fulton. Q.C.) and a jury, the case of Stobbs, Wilson & Pollard *v.* the Hockley Chemical Company was disposed of. The plaintiffs, who are chemical merchants and pumice-stone importers, of Billiter Buildings, E.C., sued the defendant company for the sum of 15*l.* 2*s.* 3*d.*, being the balance of the price of pumice bricks. From the evidence given by one of the plaintiffs, it appeared that they quoted 9*s.* 6*d.* per cwt. for bricks or cakes of pumice of a certain size, but when delivery was made defendants returned them because they were not the proper size. Another order was given, which plaintiffs invoiced at 7*l.* 15*s.* per thousand, sending in the invoice before they made delivery, so that defendants might see the difference in price. They did, and wished the bricks to be charged the price originally quoted. Hence this action, which the jury promply decided for defendants, without calling for their evidence.

F. W. BERK & CO. (LIMITED) *v.* DAY & WHITE.

IN the Queen's Bench Division of the High Court of Justice on Thursday, Mr. Justice Kennedy had before him this action, in which the plaintiffs, who are chemical merchants, of London, claimed as against the defendants (chemical merchants, Newcastle-on-Tyne) damages for breach of contract. A contract was made in December last by which the defendants agreed to supply plaintiffs with 1,200 tons of ammonia-alkali for shipment to France at 2*l.* 17*s.* 6*d.* per ton. The question in the action was whether, under such a contract, the purchaser was entitled to take delivery of the stuff, ship it to France, and, if he liked, ship it back to England. Mr. Justice Kennedy held that in what took place there was no shipment to France, but in substance a carrying of the goods to London *viâ* Treport, and gave judgment for the defendants, with costs on the claim, with liberty to apply as to the counter-claim.

New Companies and Company News.

WORTH'S PERFECT FOOD (LIMITED), with a capital of 30,000*l.*, in 1*l.* shares. To acquire processes for the manufacture of children's invalids', and other foods, and in particular certain rights in connection with Worth's Perfect Food; to enter into an agreement with John F. McNellan, and to carry on the business of invalid-food manufacturers, chemists, druggists, &c. The first directors (to number not fewer than two nor more than seven) are Francis Best, Thomas Craven, and John F. McNellan. Qualification, 100*l.* Remuneration, as the company may decide.

O. COMITTI & SON, WELLS & LYON (LIMITED), with a capital of 10,000*l.*, in 1*l.* shares; to acquire and take over as going concerns the businesses carried on by "O. Comitti & Son," at 69 Mount Pleasant, Clerkenwell, London, E.C., and as "Wells & Lyon," at 7 Myddelton Street, Clerkenwell; to enter into a certain agreement, and to manufacture, sell, and deal in barometers, thermometers, spectacles, and optical and scientific instruments. The first directors (to number not fewer than two nor more than seven) are Luigi Comitti, Richard H. S. Wells, and Frederic H. C. Lyon. Qualification, 1,000*l.*

YORKSHIRE HERBAL REMEDY COMPANY (LIMITED), with a capital of 1,000*l.*, in 1*l.* shares, to enter into an agreement for the acquisition of the business of James W. Scurrah, carried on at 136 Leeds Road, Bradford, and to carry on the business of patent-medicine vendors, druggists' sundriesmen, chemists, druggists, herbalists, drysalters, &c. The first subscribers (each with one share) are:—Thomas Allen, herbal botanist, and Mrs. Jane Allen, 73 Oak Lane, Bradford; William Mason, 156 Leeds Road, Bradford, boot-dealer; James W. Scurrah, medical botanist, and Mrs. Elizabeth Scurrah, 1022 Leeds Road, Bradford; Sidney G. Hart, Carn Brae, Catford, S.E., seedsman; John E. Skuse, 62 Russel Road, Bowes Park, N., clerk. Registered without articles of association. Registered office, 136 Leeds Road, Bradford.

PURE ACETYLENE GAS AND CARBIDE COMPANY (LIMITED), with a capital of 120,000*l.*, in 10*l.* shares (8,000 6*l.*-per-cent. cumulative preference); to adopt an agreement with the British Pure Acetylene Gas Company (Limited), Charles E. Talbot, and Raoul P. Pictet, and to manufacture, sell, and supply acetylene and other inflammable gas or artificial light, also carbide of calcium, and other metallic carbides. Among the subscribers are Thomas J. Roberts, chemist, of Cowley Hill, St. Helens, and Joseph Nelson, chemist, of 52 Argyle Street, Birkenhead. The first directors (to number not fewer than three nor more than nine) are Richard Ainscough

Armand Anspach-Puissant, J. S. Harmood Banner, John Bibby, Raoul P. Pictet, Hugh L. Smith, and James M. Wood. Qualification, 500*l.*; remuneration, 10*l.* per cent. of the net profits, divisible after the payment of the preference dividend.

The Distillers Company (Limited).—The report for the year ending May 15 shows net profits of 172,848*l.* after making an allowance for repairs, &c., and with a balance leaves 183,643*l.* available for dividend. The directors recommend a dividend of 10 per cent.

Boots (Limited), Cash Chemists.—The books of this company are closed from June 24 to 30 for the preparation of the dividend warrants on the preference-stock. The whole of the ordinary shares are held by the vendors, Messrs. Boots, who have guaranteed 6 per cent. on the preference shares for ten years.

Idris & Co. (Limited).—The special general meeting held last week unanimously adopted the resolutions put forward by the directors for converting the company into a public one and issuing 50,000 1*l.* "A" debentures. The resolutions will, in accordance with the regulations, come before another special meeting of the shareholders, to be held on July 5, for final adoption.

Marza Manufacturing Company (Limited).—In the Chancery Division of the High Court of Justice on Saturday (June 19), Mr. Justice Romer appointed a receiver and manager of this company. Counsel on behalf of the plaintiff (Turner) stated that the company dealt in medicated wines, and that it was desirable to keep matters going until the company could be sold as a going concern.

Wilkie & Soames (Limited).—The report of the directors has now been issued, from which it appears that the net profit for the past year amounts to 21,932*l.*, and after providing for payment of interest on the 6-per-cent. preference shares up to June 30, a dividend at the rate of 19 per cent. is declared on the ordinary shares, making, with the interim dividend, 12 per cent. for the year. The sum carried forward is 1,733*l.*

Westminster Wisdom.

Men are but children of a larger growth. This is true even of members of Parliament. No section of her Majesty's subjects has engaged in

Jubilee Festivities

with more juvenile zest. The progress of business has practically been suspended during the last few days, but soon members will address themselves to work again. One subject which is to engage early attention is the

Food and Drugs Bill

of the Government. Replying to Mr. Jeffreys and Major Rasch, Mr. Balfour on Monday stated that he was still unable to fix a day for the introduction of the Bill, but he hoped that it would be introduced at no distant period—probably next week or the week after.

Weights and Measures (Metric System) Bill.

On Monday Mr. Ritchie, the President of the Local Government Board, moved the second reading of this Bill, which, he said, was a small Bill, not intended to interfere with the existing system, but to remove hindrances to trade. Mr. T. G. Bowles opposed the Bill, but it was read a second time and referred to the Standing Committee on Trade.

The Bill is not a measure of a revolutionary character. It will legalise the use of weights and measures on the metric system, but its adoption will be purely voluntary. Tradesmen may use the system or not, according to their estimation of its advantages. The great merit of the Bill is that, if passed, it will remove legal and artificial restraints on the free operation of the law of the survival of the fittest.

A Feeding-bottle grooved round the centre of gravity to receive a suspending-cord is the latest American novelty.

Gazette.

PARTNERSHIPS DISSOLVED.

Jekyll, J., and **Glasier, G.,** under the style of Jekyll, Glasier & Co., Lincoln, manufacturers of chemicals, &c.

Wyer, A., and **Halkett, J.,** Folkingham, veterinary surgeons.

THE BANKRUPTCY ACTS, 1883 AND 1890.

Receiving Order.

Jones, Matthias, Swansea, chemist and druggist.

Adjudications.

East, Jason, Reading, oil and colour man.

Jones, Matthias, Swansea, chemist and druggist.

McConnal, Alan, late Sowerby Bridge, chemist and druggist.

Trade-Marks Applied for.

(*From the "Trade Marks Journal," June* 9, 1897.)

"Alinit"; for an artificial manure. By the Farbenfabriken vormals Friedrich Bayer & Co., Konigstrasse, 27 Elberfeld, Germany, manufacturers. 203,239.

"Dagger Brand" and figure of shield in outline, containing dagger and the words "Mors bacillis"; for disinfectants. By J. H. Hope, 5 Imperial Buildings, Leicester, merchant. 204,423. Essential particulars: the device and word "Dagger."

"Aalretter"; for a chemical substance, prepared for use in medicine and pharmacy. By David Neil Wylie, 1 College Street, Edinburgh, chemist and druggist. 202,870.

"Pocliano"; liquorice specially prepared for use in pharmacy. By Dennis di Luggo & Co., 7 and 8 Idol Lane, London, merchants. 203,246.

"Linlin'; for a mixture for internal use by man, for coughs and colds. By Fred Bates, 5 Britannia Road, Slaithwaite, near Huddersfield, chemist. 203,394.

"Lozos"; for pills for human use. By T. Pragnell, 18 St. George's Terrace, Newcastle-on-Tyne, manager and agent. 203,999.

"Biwin"; for beef tea. By F. L. Borthwick & Co., Kingsland Road, London, N., merchants. 202,166.

Picturesque label device, with Egyptian figures, pyramids, &c.; for perfumery (including toilet-articles, preparations for the teeth and hair, and perfumed soap). By R. Armstrong, Saul Street, Preston, Lancs, soap-manufacturer. 203,135.

"Sickle Mark" and figure of hand holding sickle; for all goods included in Class 48. By Joseph Crosfield & Sons (Limited), Bank Quay, Warrington, soap-manufacturers. 204,811.

(*From the "Trade Marks Journal," June* 16, 1897.)

"Tridentia," and figure of trident rising out of water, contained in circle; for a medicine for human use. By L. B. Atkinson, *Western Mail* Buildings, St. Mary Street, Cardiff, engineer. 202,984.

Sketch of daisy flower; for a medicinal powder for human use for the cure of headache. By Daisy (Limited), Faraday Works, Holbeck, Leeds, wholesale druggists and chemists. 203,013.

"Nizam"; for chemical substances prepared for use in medicine and pharmacy; also for perfumery, &c., in Class 48. By Veerasawmy & Co., 234 Rye Lane, London, S.E., East India merchants. 203,237-8.

"Daffodil"; for medicinal compound for human use. By Ellen Wallwork, 2A Albert Street, Eccles, near Manchester. 203,643.

"Roo"; for a medicated preparation for human use for corns, bunions, warts, and skin callosities. By Patrick Mitchell, 6 Church Street, Dumbarton, chemist and druggist. 204,337.

Ornamental circular device containing wording, "Purity is life," &c., and portrait; for a chemical disinfectant for purifying water, milk, and other food. By the Rhodian Purifier Company (Limited), 22 Parliament Street, Westminster, London, S.W. 203,560. Essential particulars: the devices.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section, free of charge, if properly authenticated.

BOOTS (LIMITED) have opened a branch at 56 North Street, Taunton.

MR. B. SHAKERLEY, dispensing-chemist, late of 27 Market Place, Penzance, has commenced business at North Street, Causewayhead, Penzance.

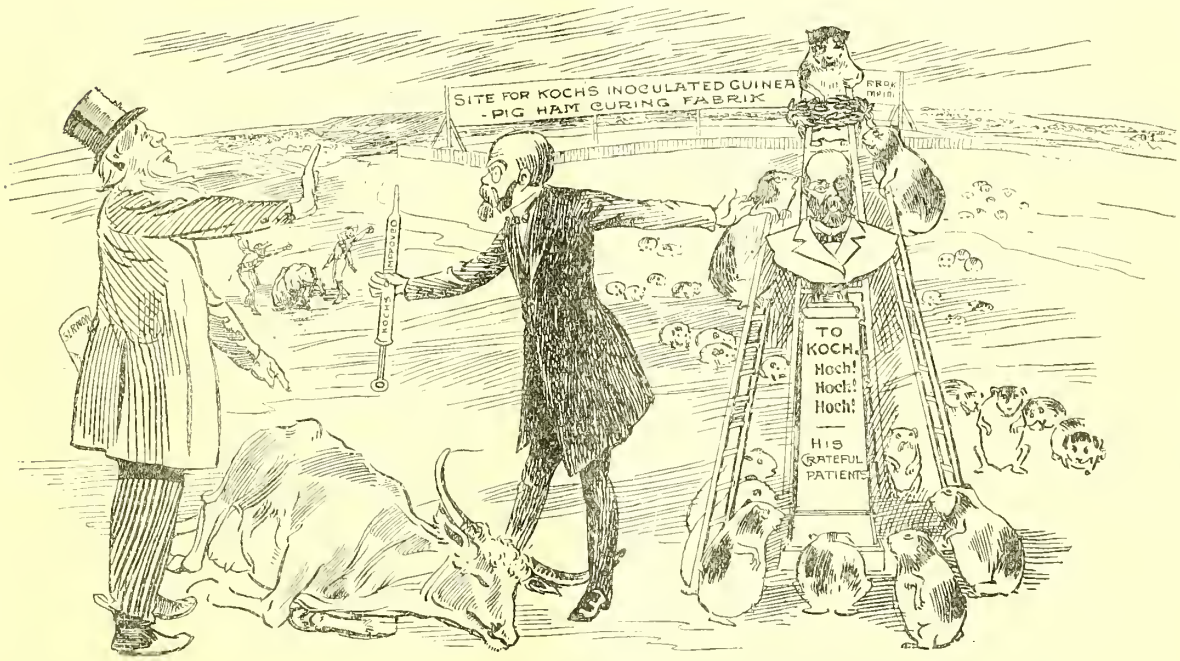
THE KEROSENE COMPANY (LIMITED) have removed to 10 and 11 Austin Friars, Old Broad Street, E.C.

MR. W. STUART, pharmaceutical chemist, 3 Friargate, Blackburn, has purchased the business of Mr. R. Singleton, 147 Church Street, Preston.

MESSRS. ADAMSON & CO., pharmaceutical chemists, Ballina, have purchased the Pharmacy and Medical Hall, Darling Street, Enniskillen, which had hitherto been carried on by Mr. J. W. Dickson, L.P.S.I.

MR. WILLIAM SHARMAN, chemist and druggist, 247 Mare Street, Hackney, N.E., is moving into larger premises at the corner of St. Thomas's Square, almost opposite his present shop.

Ode to Dr. Koch.



"In the case of tuberculous guinea-pigs, treated with the improved tuberculin, a distinct amelioration was observed in the condition of the diseased organs, dating from the commencement of the tuberculin-treatment."—*Deutsche Medicinische Wochenschrift.*

"Dr. Koch's attempts to check the ravages of the rinderpest-bacillus in South Africa are a total failure."—Daily Paper.

"ALL hail th' Improv'd Tuberculin Serum,
Great Koch our suff'rings hath relieved!. . ."
In all the Medical Prints you hear 'em
Proclaim the grand results achieved.

"Unto all phthisic subjects, yearning
For succour, Koch holds out this gift. . ."—
"A Triumph for our German Learning . . ."
(See *Medicin'sche Wochenschrift*).

"Demandest proof, thou surly Cynic?
Behold this Guinea-Pig: though young,
When brought into the Doctor's clinic,
Consumption rack'd its dexter lung.

"The case had shocking complications:
Insomnia, Scurvy, Want of Bile;
But after two inoculations
The little chap began to smile.

"One more, and he'll rejoin his kindred—
His convalescence is assured;
Tis but one instance in six hundred
Of Guinea-pigs that Koch has cured.

"Then what though Rinderpest-Bacilli
The Syringe dodge with scoffing leer,
While, snivelling o'er his Ox or Billy,
The Boer calls Koch a '*kwaje Mynheer*'?

"'Grow Jam, not Wheat,' unto the Farmer
Of Kent said once the G.O.M.
Thus to Oom Paul says Koch, the charmer:
'Raise Guinea-Pigs, and "cure" their Ham!'

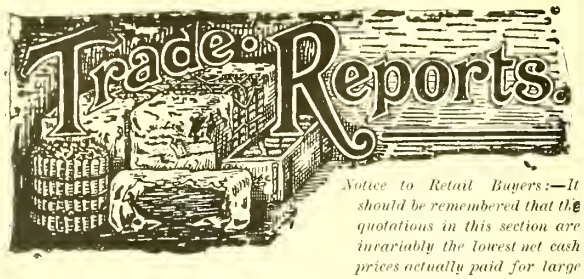
"Then, far from scorning me and cussing,
You'll shout entranc'd: 'Why, dash my wig!
Koch's cure has proved a genuine blessing,
This ham is worth a guinea a pig!'

"With 'Koch's Improved' will dawn, I'll bet you,
An Era of prosperity,
And ye'll reward with brazen statue,
The Microbe-slayer from Germany."

L'Envoi.

"'But still,' you say, 'tis problematic
If Doctor Koch can cure Mankind.'
What matters *that*, when Pigs ecstatic
His brow with laurel have entwin'd?"

ACME.



Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., *June* 24.

ALL this week the drug-and-chemical markets have been practically closed. The home-trade (except those branches which are connected with the business of Jubilation) has almost been at a standstill, and in the export-department a general dulness reigns. Scarcely any public auctions have been held, and alterations in price are very few. Drugs generally are unaltered. Of ipecacuanha there has been a small arrival, but the drug is firmly held. Menthol and Japanese peppermint oil are slightly firmer. Cod-liver oil is neglected. Sarsaparilla is steady, and fine tragacanth is held for full prices. Soudan sorts of gum acacia are rather quiet. Saffron is tending somewhat higher. Gentian-root still realises very full prices, and fine balsam tolu is scarce. Camphor practically unaltered. Next week's cinchona auctions will probably be small. In chemicals we have to report a steady market for tartaric acid, but a slightly easier tone in citric. Cream of tartar is lower. Crude carbolic acid firmer. Crystals unchanged. Arsenic in slightly more plentiful supply. Quinine is quiet. Quicksilver has been reduced 2*s.* 6*d.* per bottle, and soda-salts are generally unchanged with the exception of nitrate, which has been reduced in price. Glycerine very weak and offering at low figures. Sulphonal is being offered at low rates by one maker. In drysalteries, spices, and oils there are scarcely any changes. Blue and green Persian galls remain steady. Shellac quiet and almost unchanged. Zanzibar cloves dull of sale. Black Singapore pepper somewhat firmer. Linseed oil steady at the recent decline. Rape oil a trifle firmer for crude, and 3*d.* dearer for refined. Cottonseed oil somewhat dearer for crude. Cocoanut oil is unchanged except Cochin for distant delivery, which is higher. Palm and olive oils unaltered. Turpentine easier at 21*s.* for American on the spot. Petroleum offers at unchanged prices.

The Jubilee at the Sale Rooms.

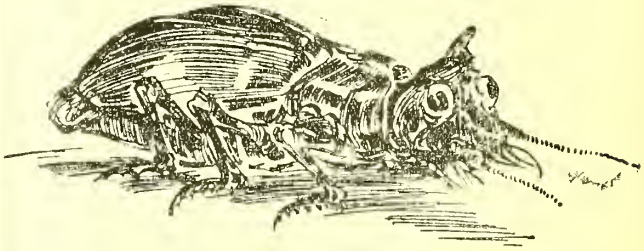
A notice was posted in the Commercial Sale Rooms recently, requesting members to be present at the Rooms at 11.45 on Monday last, in order to assist at a loyal demonstration. At the appointed hour members mustered in force in the large meeting-room. Mr. H. M. Woodhouse proposed, and Messrs. R. N. Dalton and G. W. Rouse seconded a motion, "That the following message be sent to Her Most Gracious Majesty:—*The Members of the London Commercial Sale Rooms desire to express their loyal and heartfelt congratulations to your Most Gracious Majesty on the completion of sixty years of the most glorious and progressive reign in our annals.*" Needless to say, the motion was carried by acclamation. Mr. Colman, a well-known member of the Rooms, had brought down a church-choir to lead off the National Anthem and "Rule Britannia" which were sung with great enthusiasm, after which three hearty cheers for the Queen were given. The boys of the choir were afterwards entertained to luncheon at the Rooms.

Bengal or Nepal Cardamoms.

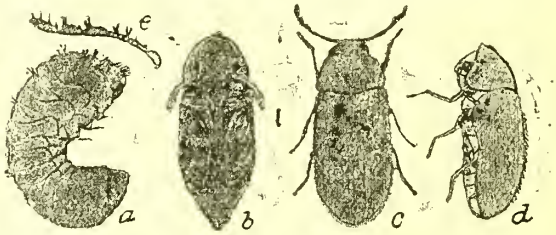
Two cases of this fruit, imported this year and marked "land carriage," were sold at 1*d.* per lb. at a recent drug-sale. The "Nepal" cardamom has not been seen at the public auctions for many years. At one time considerable doubt existed as to the plant yielding it, but the matter was cleared up by Dr. King, of the Calcutta Botanic Gardens, who came to the conclusion that the "Nepal" fruits were the produce of *Amomum subulatum*, a native of the mountainous parts of India. The fruits are of a dark-brown colour, three-valved, and coarsely striated, the seeds being arranged as in the true cardamom, but much more numerous, and held together by a viscid pulp. In India this product is generally known as the greater or larger cardamom, the Bengali name being "Bara-elachi." They are plentiful in the bazaars, and are valued at about 12r. per maund of 37½ lbs. The seeds are aromatic and camphoraceous. They are employed in India as a cheap substitute for the true cardamom, and are largely used in the preparation of sweetmeats. An oil is also obtained from them of a pale-yellow colour. The fruit is an agreeable aromatic stimulant, and is applied to the eyelids to allay inflammation.

The Coriander-bug.

The *Sitodrepa panicea* is no more—at any rate, not in New York. After a stout resistance the coriander-beetle has been conquered by the resources of civilisation. We give two pictures of the invader: the first as he appeared to the pressmen who interviewed him, and the second as he looked (many times magnified) under the scientific eye of the



entomologist of the Natural History Museum. That gentleman gives the following description of the insect:—"It belongs to the *Ptinidæ* family, is cylindrical in form



measuring about a tenth of an inch in length, is of a uniform light-brown colour, fine velvety surface. The outer wings are striped. The inner are transparent. It flies." As for the remainder of the coriander-seed, the firm have made it a present to a general dealer, and the German community of New York may have an opportunity of appreciating its flavour in confectionery or liqueurs. The warehouse where the outbreak occurred was not Messrs. Stallman & Fulton's; the seed was only stored there by their order. Mr. Stallman "regrets the publicity which has been given to the occurrence." He says it is simply one of the necessary incidents of trade. Moreover, as he considers it disrespectful to the insect to call him a bug, he talks of him, on principle, as a

"weevil." A large-hearted man is Mr. Stallman, and mindful of the *de "mortuis."*

Otto of Rose.

Messrs. Domeier & Co. are informed by their Kezanlik and Constantinople correspondent, Mr. H. A. Holstein, that the estimated output of otto of rose this year will be about 420,000 meticals, which is equal to 63,000 oz. Turk. The crops of the previous ten years are represented by the following figures:—

	1896	1895	1894	1893	1892
T. oz. ...	111,000	72,000	57,750	57,000	42,000
	1891	1890	1889	1888	1887
T. oz. ...	69,000	75,000	82,500	75,000	82,500

Up to a month ago a very large crop was expected. The recent rains and storms have, however, materially reduced same. Our Bulgarian correspondent writes under date of June 11:—"The otto-of-rose distilling season commenced the last week in May under most favourable conditions. In the beginning everything was going in favour of a very rich crop, but within the last two weeks the abundant rains which have fallen every day have damaged the rose-trees, so that instead of a rich crop we shall only have one of about 20 per cent. less than last year's. Taking into consideration the very large stock of old otto of rose which remains in the hands of exporters and distillers in the different villages of the rose-valley, we are almost sure we will have almost the same quantity of otto to dispose of as last year. In about a week the distillation will be over, and full information about the crop will be forthcoming."

The Hamburg Market.

Our Hamburg correspondent telegraphs on Thursday afternoon: "*Refined camphor* is quiet, at 2.70m. per kilo. for bells. Refined *Borax* has been sold at the reduced figure of 30.50m. per 100 kilos."

The New York Market.

Our New York correspondent, telegraphing on Thursday afternoon, states that, with an extremely light demand, the price of Newfoundland *Cod-liver oil* is declining. Tolu *balsam* is firmer. New crop *Cascara sagrada* is offering freely, but no sales of any importance have been made. *Peppermint oil*, HGH, shows a rather firmer market. Heavy offerings of *Wintergreen oil* are having a lowering effect upon the quotations. *Chiele gum* is also easing off, and may now be had at 26c. per lb *Medicinal* roots are generally on the decline.

ACIDS.—*Citric* is rather quiet. The current quotation for B.P. quality still remains 1*s.* 1½*d.*, but we believe that some business has been done at 1*s.* 1¼*d.* per lb., usual terms. *Concentrated juice* is still quoted at 12*l.* 5*s.* per pipe, f.o.b. *Tartaric acid* firmly held, B.P. quality at 1*s.* 1½*d.*, foreign makes at 1*s.* 1¼*d.* per lb. *Carbolic acid* is nominally unchanged, but the tendency is decidedly firmer for crude, of which fair-sized parcels have recently been bought by English distillers. So far crystals have not changed in price. The quotations are:—*Crystals*, 39 to 40° C., 7⅝*d.*; 34 to 35° C., 7*d.* to 7¼*d.* per lb. *Crude* acid, 60-per-cent., has realised 2*s.*; 75-per-cent., 2*s.* 3*d.* to 2*s.* 4*d* per gallon. *Cresylic*, 95-per-cent., 1*s.* 1*d.* per gallon.

ALOES.—East Indian aloes have been arriving somewhat freely of late. The *Carthage* has brought 34 boxes from Bombay, and the the *Manora* 14 cases from Aden.

ARSENIC.—Rather more plentiful, although 23*l.* 10*s.* still remains the quotation for best *English* powder.

BALSAM TOLU.—Really fine genuine tolu is in very small supply, and held for high figures, as much as 3*s.* 6*d.* being mentioned; ordinary kinds, however, can be had for 2*s.* 6*d.* per lb.

CINCHONA.—Up to the present it seems that the cinchona-auctions to be held in London next Tuesday will be small, only 897 packages having as yet been declared for sale. These consist of 498 bales *East Indian*, 214 bales *Ceylon*, and 135 *South American Calisaya.*

CREAM OF TARTAR.—About 6*d.* easier for crystals, and 1*s* per cwt. for powder. Best white *French* crystals may be had to-day on the spot at 78*s.*; powder at 80*s.* to 81*s.* per cwt.

CUBEBS.—The exports from Java during the ten months from July 1 to April 30 have been as follows:—

	1896–97	1895–96	1894–95	1893–94	1892–93
Piculs	2,188	2,682	3,452	3,334	2,446

DRAGON'S BLOOD.—The *Teucer* has brought 13 cases dragon's blood from Singapore.

GALLS.—Sales of fine *Persian* blue galls have been made up to 54*s.* per cwt.; ordinary to fair quality is quoted at 50*s.* to 52*s.* 6*d.* Green galls are in demand, at high prices—from 43*s.* for fair up to 48*s.* per cwt. for fine quality.

GENTIAN-ROOT is still extremely scarce. Good quality is selling here at 32*s.* 6*d.* per cwt.

GLYCERINE extremely dull of sale, though nominally unchanged in price. For good brands the quotation runs from 55*s.* upward to 63*s.* per cwt., according to make, for double-distilled s.g. 1·260. We hear, however, that some very low offers are in the market, 54*s.*, and often less than that, being mentioned. It is not said, however, whether the quality of this glycerine is up to the usual standard.

GUM ACACIA.—There has been a fair demand privately for *Ghatti* gum, of which over 300 cases are reported sold, at from 21*s.* up to 25*s.* per cwt. for ordinary to fair quality. Of *Soudan* gums some lots of good hard quality have been sold privately at 55*s.* per cwt. The supply is large.

IPECACUANHA.—The *Thames* has brought 10 bales of Brazilian root from Montevideo this week. We do not hear that any business has been done privately, and prices are practically unchanged since our last.

MENTHOL is slightly firmer, one-case lots being quoted at 6*s.* per lb., while for shipment 6*s.* 6*d.* per lb. is given as the general price.

OIL (COD-LIVER).—From Bergen we receive a quotation of 65*s.* per barrel, f.o.b., for best non-freezing *Lofoten* oil. The exports from Bergen up to June 19 are given at 3,911 barrels, against 2,116 barrels in 1896. Very dull of sale. Good brands offer at from 65*s.* to 70*s.* per barrel, c.i.f.

OILS (ESSENTIAL).—*Star-anise oil* is very quiet, 6*s.* 9*d.* per lb. being the nominal spot quotation. To arrive, from 6*s.* 3*d.* to 6*s.* 4*d.* per lb., c.i.f., is asked. For *Cassia oil* the nominal quotations, according to strength, are from 5*s.* 6*d.* to 6*s.* 3*d.* per lb. *Citronella oil* dull of sale, at 1*s.* 2½*d.* per lb. in cases, while for *Lemongrass* the nearest quotation seems to be 2¼*d.* per oz. *Japanese peppermint oil* is reported to be firmer, with a decided tendency towards a rise in price. On the spot there is very little offering. The last quotation given to us was 2*s.* 6*d.* per lb. for *Dementholised*, but we do not know whether anything can be had at that figure now. For shipment 3*s.* 4½*d.* per lb. is the quotation.

QUICKSILVER is 2*s.* 6*d.* lower. The principal importers had made a sale on Monday at 7*l.* 5*s.* per bottle, which is their quotation at present; but there are sellers in second-hand at 7*l.* 4*s.* per bottle. The imports have been rather heavy lately; 5,000 bottles eame this week from Seville by the *Montanes*, and 20 packages by the *Vina* from Carthagena.

QUININE.—The principal German manufacturers decline to quote prices at present, as they say that they are full of orders for the next two months. We believe that several orders at 8½*d.* per oz. has been declined.

SAFFRON is decidedly firmer, and has quite recovered from the recent decline. For finest *Valencia* from 44*s.* to 45*s.* per lb. is asked.

SARSAPARILLA.—There has been an arrival of 49 bales from Oporto (by the *Plover*) this week.

SHELLAC.—No auctions have been held this week. The market is steady but quiet, second *Orange* TN standard being quoted at 62*s.* for August and 63*s.* for September delivery. To arrive there are sellers for June-July at 59*s.* per cwt., c.i.f., which shows a decline of 1*s.* on last week's closing quotation.

SODA SALTS.—Ordinary *Nitrate* is lower at 7*s.* 4½*d.* per cwt., while for refined 7*s.* 7½*d.* per cwt. is quoted.

Caustic soda steady; 76 per cent., 8*l.* 15*s.*, f.o.b. Tyne or Liverpool; 74 per cent, 8*l.* 5*s.*, f.o.b. Liverpool; 70 per cent., 7*l.* 10*s.* on the spot, or 7*l.* 5*s.* f.o.b. Liverpool; 60 per cent., 6*l.* 5*s.*, f.o.b. Liverpool. *Soda crystals* firm, but unaltered, at 50*s.* per ton in bags, and 52*s.* 6*d.* in barrels, ex-ship or wharf in London, or f.o.b. Tyne. The price f.o.b. Liverpool is 57*s.* 6*d.* per ton. *Ammonia alkali (carbonated soda)*, 58 per cent., offers at 3*l.* 17*s.* 6*d.* per ton in bags on rails, or 4*l.* per ton f.o.b. Liverpool. Beckton *Prussiate*, 3⅞*d.* per lb. net. *Bicarbonate* in kegs, 7*l.* 5*s.* per ton ex-warehouse London; Liverpool quotes 6*l.* 15*s.* f.o.b. for kegs, and 6*l.* 5*s.* per ton f.o.b. for casks. *Bichromate*, 3⅝*d.* per lb. *Hyposulphite* offers at 5*l.* 15*s.* per ton for kegs on the spot, and at 5*l.* per ton f.o.b. for casks on the Tyne.

SPICES.—No auctions have been held this week, and privately the holiday feeling still prevails. *Zanzibar cloves* are neglected, with sellers for delivery June-August at 2 3/16*d.*, and for August-October at 2 5/16*d.* per lb *Black pepper* is somewhat firmer, 300 bags *Singapore* having been sold at 3⅛*d.* per lb. For June-August there are buyers at 3 3/16*d.* per lb. White *Penang* pepper offers for June-August delivery at 4¼*d.*, without finding buyers. There seems to be some disposition, however, to purchase for August-October delivery at 4¼*d.* per lb.

SULPHONAL.—Nominally unchanged, but we hear that one of the manufacturers is offering at reduced prices.

TRAGACANTH.—The market is steady, and prices are firmly held, but for the moment there is little inquiry. The supplies of several varieties are exhausted. Best white *Persian* tragacanth gum is quoted at 13*l* to 14*l.*; seconds at 11*l.* 10*s.* to 12*l.* 15*s.* per cwt.

The Market in Heavy Chemicals.

Business in the heavy-chemical market has been much interfered with by the Jubilee festivities, and there is little of special interest to report. Matters are specially quiet on the Tyne owing to the annual holiday of "race week." Feeling on the Clyde and in Lancashire, seems to be improving, and a better demand for alkali products and miscellaneous chemicals generally is prevalent for home consumption. Demand for export is also fairly brisk. Referring to our recent report concerning *Caustic soda* manufactured by the new electrolytic process being placed on the market, we may say that those who have already given it a trial report favourably as regards its purity. No alteration, however, has yet been made in the general quotation for this article. *Bleaching-powder* and *Soda crystals* are in good request. *Chlorate of potash* firmer. *Chlorate of soda* steady. *Saltcake* has a somewhat advancing tendency, and the same remark applies to purest makes of *Sulphate of alumina*. *Barium* compounds generally are in steady demand, with prices practically unchanged. *Sal ammoniac*, firsts and seconds, 33*s.* and 31*s.* respectively. *Arsenic* steady and unaltered. *Aniline oil* and *Salts* firmer at 6¼*d.* and 5¾*d.* respectively. Yellow *Prussiate of potash* fairly firm. Brown acetate of *Lime* easier. *Bichromates of potash* and *Soda* steady. *Green copperas* firm. *Hyposulphite of soda* steady. *Sulphate of copper* unchanged. *Benzols* a trifle firmer: 90-per-cent., 1*s.* 10*d.* to 1*s.* 11*d.*; 50-per-cent., 1*s.* 11*d.* to 2*s.* *Sulphate of ammonia* steady at late rates.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on June 23, says that in consequence of the Jubilee celebrations there has not been much movement in the markets. The only case of a distinct upward move has probably been in *Quillai bark*, of which all the lower-grade parcels have been cleared off at prices ranging from 16*l.* to 16*l.* 5*s.* per ton; 17*l.* 10*s.* is being asked for fair average quality. In gums there has been only a limited demand for *Soudan sorts*, and the business resulting has comprised only retail lots at steady prices, 65*s.* to 67*s.* 6*d.* being asked for the lower-priced parcels here. Medium kinds are unchanged in position, the supply is meagre, and buyers have found it difficult to supply their requirements. *Castor oil* is steady, and although the demand for the moment is slack, there is a hardening tendency on the part of holders in consequence of stronger reports from the East with regard to the crop prospects. Good seconds Calcutta are very firm at 3*d.* to 3 1/16*d.* First-pressure French, 2 15/16*d.* to 3*d.* per lb.; second-pressure, 2⅞*d.* Madras is held above the market value, at 3⅛*d.* to 3¼*d.* per lb. *Cream of tartar* is firm at 79*s.* to 82*s.* according to quality. *Honeys* of all grades are well maintained: a parcel of Chilian just arrived and offered at auction, ex quay, met with a fair response. One large line of Californian of varied grades sold in one lot at 20*s.* per cwt. *Russian anise* is showing some tendency to advance from the abnormally low price which has ruled for some time. Of *Jaborandi leaves* about 40 bales have been sold for export on private terms. *Sulphate of copper* is steady at 16*s.* per cwt., and *Arsenic* at 23*l.* 10*s.* to 24*l.* per ton.

The Hamburg Drug-market.

Our Hamburg correspondent writes, on June 22:—"Our drug-market is quiet, and has shown very few changes since last week. *Citric acid* very firm, and dearer; to-day's quotation is 248m. per 100 kilos. *Tartaric acid* steady, at 225m. to 230m. per 100 kilos. *Balsam copaiba* is quiet, at 4m. per kilo. *Balsam Peru* dull, at 15m. per kilo. *Balsam tolu* easier, at 4.75m. to 5m. per kilo. *Camphor (refined)* is quiet; spot quotation is 272½m., July 270m., September-December 268m. per 100 kilos. *Borax* shows a quiet market; some business has been done below 32m. per 100 kilos. *Cassia lignea* has remained quiet, spot (new cassia) is held for 72m. to 71m. per 100 kilos. *Cassia fistula* is dull; very fair quality is offering, from Holland, at 17m. per 100 kilos. *Cumin-seed (Malta)* is quiet, at 39m. to 40m. per 100 kilos.; new crop is offering at 41m. *Russian anise* is steady, at 30m. per 100 kilos. *Caraway-seed* is steady, at 36m. to 37m. per 100 kilos. *Fenugreek-seed* shows an advancing market, at 19m. to 20m. per 100 kilos. *Honey* quiet; new-crop Chilian honey is landing at 41m. to 42m. per 100 kilos. *Kola-nuts* are quiet, and freely offering. *Menthol* is unchanged, at 13½m. per kilo. for spot delivery. *Lycopodium* steady, at 265m. per 100 kilos. *Cod-liver oil* shows no alteration, and only little business; non-congealing oil is quoted 69m. to 70m. per barrel. *Star-anise oil* is quiet, at 14¾m. per kilo. *Peppermint oil* (HGH) firm, at 6½m. per lb.; Japanese oil, 5¾m. per kilo. *Castor oil* is steady, at 57m. per 100 kilos. for French oil of first pressing. *Spirits of turpentine* easier; in consequence of new arrivals prices have dropped from 45½m. to 44m. per 100 kilos., delivered here. *Japan wax* is steady, at 74m. per 100 kilos. Of *Carnauba wax* some new lots have come in, but prices are unchanged; grey is held at 80m. per 100 kilos., medium 120m. to 125m.

The Amsterdam Cinchona-market.

Our Amsterdam correspondent writes, under date of June 23:—"To-day the quantity of cinchona-bark put up for auction on July 15 has been made known. It amounts to 258 bales, 53 cases of Government bark, and 4,770 bales, 524 cases of private bark; total, 5,028 bales, 577 cases, which is a fairly large quantity. Besides this quantity the stock in first hands only consists of 1,301 cases Government bark and 238 cases private bark, which is the smallest we have known for years. There are rumours that the export from Java for June will be large. These are based upon the applications made for space in the steamers at the beginning of the month. A few parcels of *Druggists'* quill have been sold privately since the auctions at somewhat advanced prices. The buyers for *Manufacturing* bark, however, are very reserved, and no business has been reported."

The Smyrna Opium-market.

Our Smyrna correspondent writes, under date of June 12, that during the week then closing only three cases *Current talequale* opium have been sold at the parity of 7*s.* 9*d.* per lb. There would have been further buyers at that figure, but the market has assumed a firmer tone, as some of the owners of opium in the inland districts have written to their agents in Smyrna not to sell any more of the old stuff, because the excessive rains are doing damage to the new crop. There has also been a sale of 10 cases of new crop at the parity of 6*s.* 10*d.* per lb., f.o.b., to a speculator, delivery to be made within two or three months at the seller's option. Seven baskets of new-crop opium have arrived here, and from the beginning of next week the arrivals will be regular. The harvest is everywhere proceeding favourably, and a minimum crop of 10,000 cases now seems assured.

CORRESPONDENCE

Notice to Correspondents. *In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

Wholesale Druggists in 1837.

SIR,—Although I can hardly call myself a veteran in the drug-trade, I should like to point out that my father and uncle, the founders of the firm of Baiss Brothers & Co., established themselves in 1833, and, I believe, were members of the Drug Club in 1838. My father was for some years previous to 1833 in the firm of Drew, Heyward & Baiss, as it was then styled, after which it became Drew, Heyward & Barron, and then Drew, Barron & Co. I should like you to make this correction on the list of London firms which you say "represented practically the entire wholesale trade of the metropolis." Your article is a most excellent one, and I only call attention to this slight oversight as you ask us "for any information from any veterans in the trade."

Believe me, my dear Sir, yours faithfully,

Swanage, Dorset, ARNOLD BAISS.
June 22.

SIR,—Mr. Hill has omitted the names of Biggar, Atkinson & Chippendale, whose place of business was, I think, in Aldersgate Street, and of Herring Brothers, 40 Aldersgate, from the list of wholesale druggists carrying on business in London before 1837, and these were two rather important firms. There was also another house, Gale, Baker & Ward, Bouverie Street, Fleet Street, but I am not certain whether they were in existence before 1837, though they were not long after.

Kirk, Hearon & Co. was never Kirk, Hearon, McCulloch, & Bright; in fact, McCulloch's name did not appear in the firm until a good time afterwards.

Yours truly,

Cheetham Hill, W. WILKINSON.
July 19.

Jubilious also writes to call attention to Mr. Hill's statement with regard to the firm of C. Beanmont & Co., and that Mr. Stacey was taken into the partnership of this firm.

"If you will turn," says the sarcastic "Jubilious," "to that trustworthy journal, the *C. & D.*, of January 25, 1896, you will see an interesting article on the firm of Corbyn, Stacey & Co. It is there asserted, with every appearance of authority, that the original Stacey joined the firm in 1780 as partner. The Messer (not Menier) who went to the Apothecaries' Company, was the son of the Messer who joined the firm about the time you mention."

[The list of wholesale firms existing in 1817 (not "before 1837") was drawn up for us, as explained last week, by Mr. A. S. Hill. We believe that the list was compiled from memory, and a few errors may therefore well be overlooked, especially as our informant is a nonogenarian. With respect to Mr. Baiss's statement about the old Drug Club, the list of members of that body was taken from an original document. —ED. *C. & D.*]

Oil of Lemon.

SIR,—Be kind enough to grant us space in your paper for a reply to the letter of Messrs. Martin Perls & Co. in your issue of May 22, in which they make statements in opposition to the method of analysis proposed by us and tried by Messrs. Schimmel & Co., of Leipzig, whose competence in this kind of research cannot be contested. For brevity's sake we confine ourselves to saying that if our methods of analysis cannot, on account of the variability of the constituents of citrus essential oils, give absolutely exact results, they are certainly accurate enough for technical and commercial purposes. The conclusions of Messrs. Martin Perls & Co. are simply ideal, and nobody, we take it, will envy them their famous "glazed-paper test" and their absurd claim of distinguishing the purity of an oil by means of the olfactory organs, even though Providence has bestowed upon them the rare gift of a "staff of young ladies" with noses just as ideal as the firm's "conclusions." We believe that Messrs. Martin Perls & Co. would be better employing their time by studying a little closer the works already published on the subject, and doing some experimental work, than by idle talk that can only serve to bring back the question to confusion and empiricism.

We remain, with thanks for your courtesy,

Yours faithfully,

DOTTE BERTÉ E CI.

Gabinetto di Analisi Chimiche, Messina, June 17.

Pituri.

SIR,—Herewith I forward you a small parcel of "Pituri," to which reference is made in the *C. & D.*, April 3, 1897, in reply to "Devon" (78/58). Strangely, just after the receipt of the paper, and whilst reading it, a country customer came in, having just come to Adelaide for a "spell," after some years' solitude in our far north country with no other companions than his dog, sheep, and black fellows. He knew all about pituri, and had a crescent-shaped native pouch with him, from which I took the parcel sent and some for Mr. Young, our Registrar. It is a powerful drug, with a strong tobacco-like taste and an intoxicating effect, as I found on chewing a little. The natives use it, and I fear some of the station-hands have acquired the habit, to produce a kind of a drunken slumber. My informant says that a distinct craving for it is formed, harder to break through than that for alcohol or tobacco. It is chewed with the ashes of some shrubs. I hope that this and the sample will be of interest to you.

I remain, yours, &c.,

140 Rundle Street, Adelaide, S.A. CHAS. S. HILL.

[We are obliged to Mr. Hill for the sample, which is similar to Museum specimens which we have examined; but this one is specially interesting owing to its origin. Dr. Bancroft has very fully gone into the botanical and pharmacological history of this drug, and his results were published as a monograph several years ago. We may add that our subscribers situated in parts where exotic drugs originate or are used could, like Mr. Hill, do good service to their home *confrères* by communicating facts that they know on such occasions as the present one.—ED. *C. & D.*]

P.A.T.A.

SIR,—The other week I thought I would test the "cutters" in this town [Wolverhampton] ancut some of the articles on the P.A.T.A. list, having been previously told by customers that they could get such articles cheaper at certain places. I may say that in each case the information proved false. This is good testimony to the power and work of the P.A.T.A., which I venture to think is only in its infancy, and every proprietor of well-known articles who joins not only adds to its power, but obtains the goodwill of the trade, including "cutters," for I must say I am one in self-defence. The Photographic Section also is doing good work, of which I have had evidence. There are yet a number of chemists sitting on the fence—there are better times ahead of them if they will jump down into the P.A.T.A. camp. Many leading proprietors have avowed they are only waiting to see which way they jump and then they will follow. There are several articles in good demand sold here by most of us at cost-price, buying direct. We do not care for the sale of them, and cannot be blamed by anyone for introducing our own goods to customers' notice whenever we get the chance. How long this foolish game of selling at cost is to last depends upon how we, as a trade, take up the P.A.T.A. Brother chemists, was ever a better opportunity of emancipation offered? Yours truly,

CLOVES. (147/63.)

SIR,—Here is a case of extreme philanthropy on the part of the modern chemist. He buys a well-known patent medicine, and in most cases sells it at exact cost-price. On opening the package he will find the bottle stamped "Made in Germany," and also that the firm producing it is American.

Where the label and the cork come from I cannot say. A long time ago I wrote and asked the firm if they would not make some attempt to protect their trade customers. They assured me the matter was "under consideration," which it is still. This is one case among many. Why do not such firms as Pears, Beecham, Seigel, Vogeler, Carter, come into the ranks of the P.A.T.A., or in some other way put their foot down on this impoverishing cutting?

Yours,
Nomen. (146/33).

The Dentists Act.

Sir,—The decision by three learned Scotch Judges, as reported by you, must be instructive to the British Dental Association, and it is hoped they will properly take the lesson to heart. As you say, "No better justification for your recent action in regard to the practice of dentistry by chemists than the Scotch Judges' decision could be given."

As one of the supporters of your views I would like to say that my offer of four guineas to the Defence Fund started by you still holds good, and there is not much doubt that the others who promised will be as good as their word, should the British Dental Association seek a warmer climate south of the border. It appears strange that convictions have followed for using the words "Artificial-teeth Manufacturer"; but it is noteworthy that the efforts of the B.D.A. to strain the Act have appreciably slackened since the origination of your Defence Fund. Speaking for myself, I feel considerably indebted to you for the firm and logical attitude taken up by you, which has been amply justified up to the present.

Yours truly,
Dens. (146/71.)

DISPENSING NOTES.

This section is intended for the elucidation of dispensing difficulties. Subscribers and their employés may contribute to it, criticising any of the following notes or contributing notes on prescriptions which they have found to be of unusual interest.

Troublesome Suppositories.

Sir,—I should very much like to reply to "Cocoa" in reference to the prescription for suppositories, as I have very much benefited by your column for "Dispensing Notes" myself. I have made grosses from the same prescription, and have had no trouble with them. The tannin, of course, must be rubbed down alone, then mixed with the iodoform and iodide on a slab, adding the 60 ♏. of oil, using a bone spatula. The cocoa-butter (13 gr. to each suppository) must be mixed with this when lukewarm, and the mixture (kept stirred) run into the mould.

Respectfully yours,
An Old No. 5. (148/11.)

Sir,—They can be dispensed without deviating from the prescription by making them 30-gr. suppositories, no specified amount of ol. theobromæ being ordered, but q.s. They are made in this size perfectly easily, with the most desirable results.

Yours truly,
Liverpool, June 21. H. S. Lean.

Why a Precipitate?

141/43. *Perplexed* gets a precipitate in the following mixture after it has stood about a day. His customer says it has never exhibited that tendency when made up in London:—

Ammon. bromid.	ʒj.
Potass. bromid.	ʒj.
Ac. phosph. dil.	ʒj.
Aquæ ad	℥vj.

M. ℥ss. pro dosis.

[We cannot get a precipitate, and can only suggest that "Perplexed's" distilled water has become contaminated in some way.]

P. Glycyrrh. Co. (Modified).

Sir,—Is it not probable that the prescriber is merely thinking of the change made in B.P. formula (bringing in sulphur, &c.)? See Squire's remarks in ed. xiv. "Companion." I was in India from 1870 to 1876, and remember that the army medicos of those days were not very "up to date." Perhaps this is from a survivor of the seventies.

Yours faithfully,
Mozzuffurnachar. (149/27.)

Ichthyol Spray.

135/54. *Alpha* asks the best way of making up the following nasal spray:—

	Parts
Ichthyol.	1
Æther....	1
Alcohol.	1
Aq. dest.	97

M.

[Rub the ichthyol and ether in a mortar, add the water gradually at first, and lastly the alcohol.]

Magnesium-phosphate Precipitate.

133/63. *Dispenser* would like to know formula of precipitate which forms in this prescription:—

Tr. ferri mur....	♏iv.
Mag. sulph.	ʒj.
Ac. phosph. dil.	ʒij.
Aq. ad	℥xij.

M.

[$Mg_3(PO_4)_2$.]

LEGAL QUERIES.

142/29. *Nemo.*—We do not think you are legally justified in selling the ol. amygd. persic. for oil of almonds. It may be said it is an oil of almonds; but on the principle established by the case of White *v.* Bywater it could probably be proved by evidence that by the term "oil of almonds" the oil described in the Pharmacopœia is generally supplied and expected.

152/38. *Nemo.*—A separate licence is now required for each set of premises in the case of every Excise licence, except for those granted to appraisers, auctioneers, and hawkers. The law was altered in this respect about five years ago.

143/8. *Northampton.*—We have no doubt that soda and potash water "made in strict accordance with the formula given in the British Pharmacopœia" will be regarded by a Court as "appertaining to the trade of a chemist's business." But as you let the premises to a mineral-water maker a Court might take the reasonable view that such articles were exempted from the operation of the contract.

146/67. *Particularity.*—So far as Inland Revenue is concerned it is legal to use methylated spirit in making liniments of aconite, belladonna, and soap and compound-camphor liniment; but, owing to the Sale of Food and Drugs Act, it is not legal to sell such preparations unless they are specially described to the purchaser as methylated.

144/20. *Notrog.*—Pennyworths of stamped proprietary medicines can be retailed under the conditions mentioned in The Chemists' and Druggists' Diary, and more fully in Alpe's "Handy-book of Medicine-stamp Duty." If the medicine which you refer to is a pure drug, it can be sold unstamped.

MISCELLANEOUS INQUIRIES.

Notice to Querists. *We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.*

143/51. *I. M. D. S.*—(Bombay).—(1) As a substitute for gelatine in the capping composition (*C. & D.*, September 26, 1896), you have probably some native article which would

answer the purpose as well, such as Ceylon moss (*Gracilaria lichenoides*). (2) Probably you mean aromatic vinegar (toilet vinegar), for which there is an excellent formula in *C. & D.* for December 19, 1896, page 906.

150/38. *D. G.*—**Cattle-spice**:—

Fennel	4 oz.
Fenugreek	4 oz.
Aniseed	4 oz.
Turmeric	8 oz.
Liquorice	8 oz.
Table salt	1 lb.
Linseed-meal...	2 lbs.

Mix.

142/14. *W. J. C.*—(1) We know nothing of the use of bicarbonate-of-potash solution for fixing Indian-ink drawings. The best black-and-white artists now use "ebony-stain" instead of Indian ink, as it is more permanent, and when once it has dried cannot be removed. (2) Bicarbonate of potash is soluble 1 in 3 2 of water.

143/24. *J. L.* (Monte Carlo).—**Opalescent Ammonia**:—

Common soap	gr. xxx.
Ess. white rose	ʒiss.
Strong solution of ammonia ...	℥xx.
Distilled water to	Oiij.

Mix.

142/2. *J. J. S.*—**Herb-growing.**—Read an article in the *C. & D.*, July 2, 1892. Perhaps the Director of Kew Gardens would give you the information you want or tell you where to look for it.

134/72. *F. J. B.*—This is as near as we can make out your **Bouquet Sachet-powder** to be:—

Kuskus	1 lb.
Orris	1 lb.
Santal-wood	4 oz.
Musc Baur	20 gr.
Ol. ros. ger.	ʒj.
Ol. bergam.	ʒj.

Misce.

137/22. *Lennox.*—Please give us further information about the cream-powder. We are not even sure that we have the right sample; it is labelled "headache-powders."

139/26. *Rusticus.*—**Stain-varnishes** are now frequently made by dissolving aniline dyes of various shades in the varnish. Carminnaphtha will probably yield a suitable mahogany. Malachite-green answers for green stain. For dark stains make experiments with Bismarck-brown, toluylene-brown, or Manchester-brown.

131/13. *Pharmakos.*—Your label is one for **Devonshire Oils**, which is a "cure-all" for diseases of cattle, internally and externally:—

Spt. tereb.	ʒij.
Liq. amm.	ʒj.
Tr. opii	ʒss.
Spt. camph.	ʒss.
Bol. Armen.	ʒij.

Put into a wine-bottle, and fill up with a solution of lb. j. sapo moll. in Cj. aquæ. Well shake.

143/46. *Cannon.*—**Dyeing Billiard-balls.**—First well wash the balls in benzine, then dip for a few minutes in an acid bath (30 m. of nitro-muriate of tin solution to 3 oz. of water), and after this preliminary treatment any of the following dyes may be used:—

Red.—(1) Aniline cardinal, 1 in 20 of water, or equal parts of Judson's cardinal and water; (2) Carmine 3 gr., ammonia solution to dissolve, water to ʒj.

Blue.—Methyl blue gr. x., water ʒj., or equal parts of Judson's Oxford blue and water.

Green.—Judson's green and water, equal parts. Spirituous solutions act better; therefore, methylated spirit may be used for such of the dyes as are soluble therein.

The balls are finally polished with linseed oil.

145/6. *Rob Roy.*—Suitable books for use while preparing for **Jacob Bell Scholarship.**—On chemistry, Thorpe's "Metals and Non-metals" (Collins & Co.); botany, Edmond's "School Botany" (Longmans); pharmacy, the British Pharmacopœia and "Art of Dispensing," and Pereira's "Selecta è Prescriptis."

137/51. *Yorkshireman* (1) has a customer who has derived much benefit from a treatment by **Inhalations**, now advertised, the solutions for which he wishes us to identify.

No. 1 is a distilled spirit of witch-hazel, probably hazeline.

No. 2.	Ac. carbol. liq.	ʒij.
	Tr. iodi. ad	ʒj.
	M.	
No. 3.	Ol. gaultheriæ	♏x.
	Sp. vini ten. ad	℥j.
	M.	

They were used for ten minutes night and morning, No. 3 by itself for two days; the inhaler then emptied and filled with No. 1, with 10 drops of No. 2 added, adding 10 more drops of No. 2 every two days for six days. A fresh start is then made, first using No. 1 and then No. 2. (2) The publication of the book will be duly announced.

146/70. *CO_2.*—A mixture containing diuretics like ammon. benzoas and buchu would probably be best for the person inclined to be dropsical.

145/57. *R. M.*—**Diarrhœa-mixture.**—The usual stock-mixture is as follows:—

Cretæ præp.	ʒss.
P. cret. arom.	ʒss.
Tr. opii	ʒss.
Sp. amm. arom.	ʒj.
Aq. cinnam. ad	℥xvj.
M.	

ʒss. pro dosis.

The most successful treatment of diarrhœa is to give ʒss. castor oil, and follow by 15-minim doses of tr. opii. In *C. & D.*, May 25, 1895, there are some dozen different formulæ for suitable mixtures.

147/12. *Lemonade.*—**Lemonade-powders**, cheap:—

Ac. citr. vel tartar.	ʒj.
Sacch. alb.	℥iv.
Ess. limonis	ʒj.
M.	

Weigh into ¾-oz. packets (sufficient for a pint of water), which sell at 1*d.* or 1½*d.*

141/65. *G. W. E.*—Your **Hair-lotion** for removing scurf has the following composition:—

Ac. acetic., B.P.	℥ij.
Tr. canthar.	℥j.
Ess. Jockey Club	ʒss.
Glycerin.	℥ss.
Aq. ad	℥viij.

M. Filter bright.

133/54. *Amicus.*—(1) **Tonic Horse-ball** resembles this—

Ferri peroxid. hyd.	ʒiij.
Pulv. gentian.	ʒj.
Pulv. glycyrrh.	ʒiij.
Mellis	q.s.

Ft. massa.

(2) The contents of small bottle for diarrhœa, dysentery, inflammation of the bowels seem to be chiefly extract of belladonna made liquid with spirit and water.

141/1. *Sapo Mollis.*—We cannot make much out of your skin-ointment.. It is mainly green-elder ointment.

156/4. *Hungarian* (Budapest).—**Tasteless Cascara-sagrada Extract.**—The production of this extract has been largely specialised. In the most successful method a watery decoction is evaporated to dryness, and then treated with a 50 per cent. alcoholic menstruum. Those processes in which calcined magnesia are used do not always yield a tasteless and active extract at the same time.

142/71. *Mot.*—**Powder for Dropsy and Swellings.**—This consists of ʒij. of dried sulphate of soda. It is ordered to be

taken, dissolved in half or a tumblerful of cold or warm water, early in the morning, fasting.

145/70. *New.* — Charges for Dark-room, &c. — See *C. & D.* DIARY, 1895, page 389.

145/15. *Pratt.*—(1) Tincture of cudbear (ʒij. to Oj. spt. tenuior.) will give a nice bright-red colour to your mixture containing ac. phosph. dil., quininæ, and tr. ferri. (2) "Dimatos" makes a good basis for Carbolic Tooth-powder:—

Dimatos.	lb. j.
Terræ rosæ	℥j.
Ac. carbol.	ʒij.
Otto rosæ	♏xv.

M.

(3) Pil. Cochiæ:—

Aloes capen.	ʒij.
Pulv. cambog.	ʒj.
Pulv. jalapæ	ʒss.
Pulv. saponis...	ʒij.
Pulv. zingib	ʒij.
Ol. caryoph.	♏30.

Ft. massa.

In 4-gr. pills.

144/45. *S. G.*—The Odour of Paraffin is somewhat diminished by shaking alternately with solution of potassium permanganate and sulphuric acid. Heavy petroleum oil (a thin variety) is now largely sold as "Prepared Paraffin for the Hair."

144/55. *Dispenser.*—For process for making gelanthum, please refer to *C. & D.*, October 24, 1896.

146/13. *J. J.*—Wrap your mixture of sugar and citric acid in tinfoil or waxed paper to keep it from getting moist. If you use powdered turmeric or saffron the colour will be retained longer than if the tinctures are employed.

146/19. *Toilet.* — You will find several formulæ for "harmless" hair-curlers in last vol. of *C. & D.*—*e.g.*, July 12, 1896, and August 29, 1896.

145/14. *J. R.*—(1) In your Bronchitis-mixture use equal parts of glycerine and water, instead of 14 oz. syrup. If it still causes trouble you will have to replace the amm. carb. by spt. am. arom. (2) The toilet-cream will have the tendency to develop a benzine odour, which you cannot prevent; otherwise it will keep well. More perfume will be advisable.

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

142/70. Who are the makers of peptenzene?

143/48. *Cantab.*—Where may pewter taps for vinegar-casks be obtained?

145/11. Address of makers of "Domestic" soda-water machines (Lane & Pullman's patent).

145/42. Will K. Izumi, Yokohama, send us his full address?

149/22. Whortleberry-leaf powder: where obtainable?

A Move in Face Values.

THE announcement made by Messrs Wright, Layman & Umney last week to the effect that the retail price of their well-known coal-tar soap (6*d.*) had been reduced to 4*d.*, without alteration in the wholesale price, has, no doubt, been noted by the trade as a new departure in the cutting problem, for some proprietors hitherto have met that problem by raising wholesale prices so as to get retailers to reduce the difference between the face-value and the selling-price. The reduction of the face-value being novel, the following note of a telephonic interview is of interest:—

"Good morning, Mr. Editor; you wish to speak to me?" It was the cheery voice of Mr. Charles Umney that came along the telephone.

"Yes, about your move in regard to Wright's coal-tar soap; I see you practically reduce the retail price without reducing the wholesale terms—Is that right?"

"Yes. We have done this because we have found that at least 90 per cent. of our coal-tar soap is retailed at 4*d.* per tablet (occasionally even lower), the profit which the face value of 6*d.* should ensure being rarely if ever realised."

"But the wholesale price is the same?"

"True; 20 per cent. off to anyone who buys 5*l.* worth—to anyone, mind you. These are our best terms."

"What of the small men?"

"Oh, we give anyone who sends us an order for 3 dozen cakes 15 per cent. off."

"How does that leave the man who has no account with you?"

"Most of the houses do the same. I see the wholesale patent-medicine vendors quote from 3*s.* 4*d.* to 3*s.* 6*d.* per dozen, which is practically an equivalent of 15 per cent. discount."

"Are you thinking of bringing out a 6*d.* cake a little larger in size, so that those who prefer to sell at face value may still do so?"

"No; we are really withdrawing the 1*s.* size, and we shall have the 4*d.* tablet only, in boxes of three for retail, and three dozen wooden boxes. We shall receive and exchange for 4*d.* tablets all 1*s.* tablets, as well as boxes of six smaller-size tablets which we have hitherto sold, and are now discontinuing."

"Are you to take back from distributors and re-wrap the old 6*d.* tablets with new wrappers, signifying the new face value of 4*d.*?"

"No; as it is a reduction in price we think it unnecessary."

At this point the Central Telephone cut us off, and the Diamond Jubilee prevented a resumption of the conversation.

The Queen's Reply.

ACCEPT, dear Mr. Walter Hills, my heartfelt gratitude
For the very kind address you sent, with loyalty imbued.
It was very nicely written, and very well expressed,
And I may assure you that I take a special interest
In the excellent Society which you so ably guide,
For I always look upon it with pardonable pride
As among the products of my reign, as I have a right to do,
For I granted it a Charter, I think in Forty-two.

But you must permit, dear Mr. Hills, the remonstrance of your Queen,
For it is with very much regret that I recently have seen
Your Society's unjust attempt to oppress the poor and weak,
And it is with some astonishment that I observe you seek
The sanction of my Council to your most unrighteous plot
Of charging your extravagance on those who least have got.
This is not what I ever thought your Society would do
When I granted it a Charter in Eighteen Forty-two.

No, Mr. Hills, this may not be, I can't allow the stain
Of such injustice to appear upon my glorious reign.
My trusty Duke of Devonshire, I know, agrees with me,
And we both unite in honouring the loyal *C. & D.*
Ah! Walter, if you want advice, you always may depend
On finding in that journal a wise and faithful friend.
So do to others as you would that they should do to you,
And you will then be worthy of the men of Forty-two.

[We can offer no explanation of the above curious document. It comes distinctly addressed to us at "Forty-two" Cannon Street. If it is genuine it has evidently been sent to us in error. It is not, we must admit, in a Royal, nor even in a lady's, handwriting. The writing is more like that of the poet-laureate, but we do not pledge ourselves it is his. However genuine or not, the sentiments are so good that we give the verses a place in our pages.]

LAST week considerable damage was done to the works of R. & J. Garroway, manufacturing chemists, Netherfield Chemical-works, East End, Glasgow, by the bursting of a sewer-pipe in the immediate neighbourhood. An adjoining oleo-factory was even more damaged.

The TRADE PRICES BELOW are SUBJECT to USUAL DISCOUNTS.

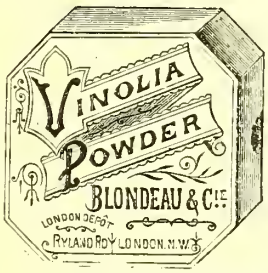
4d.

Premier Vinolia Soap.

Keeps the Complexion Beautiful and Clear.

9/2 per dozen Boxes of 3 Tablets.

1/-



Vinolia Powder.

For Redness, Roughness, Toilet, &c.

In White, Pink, and Cream Tints.

9/2 per dozen.

6d.

Vinolia Violet Powder.

Specially prepared for Toilet and Nursery Use.

3/4 per dozen ¼-lb. Tins.

6d.

Premier Vinolia Dentifrice.

Keeps the Teeth Ivory White.

In Glass Bottles and Round Metal Boxes.

3/3 per dozen.

6d.

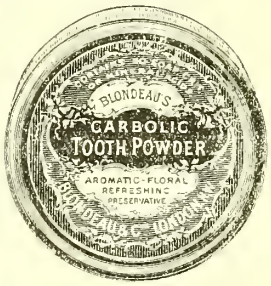
PREMIER.

Vinolia Shaving Stick.

Causes no Blotches.

3/6 per dozen.

6d.



Blondeau Carbolic Tooth Powder.

Soothing to Tender Gums and Sensitive Teeth.

In Artistic Round Metal Box, 3/3 per dozen.

1/-

Vinolia Liquid Dentifrice.

Keeps the Gums Healthy, Strong, and of a Good Colour.

8/- per dozen.

6d.

Blondeau Perfumes.

Concentrated—Delicate—Pure.

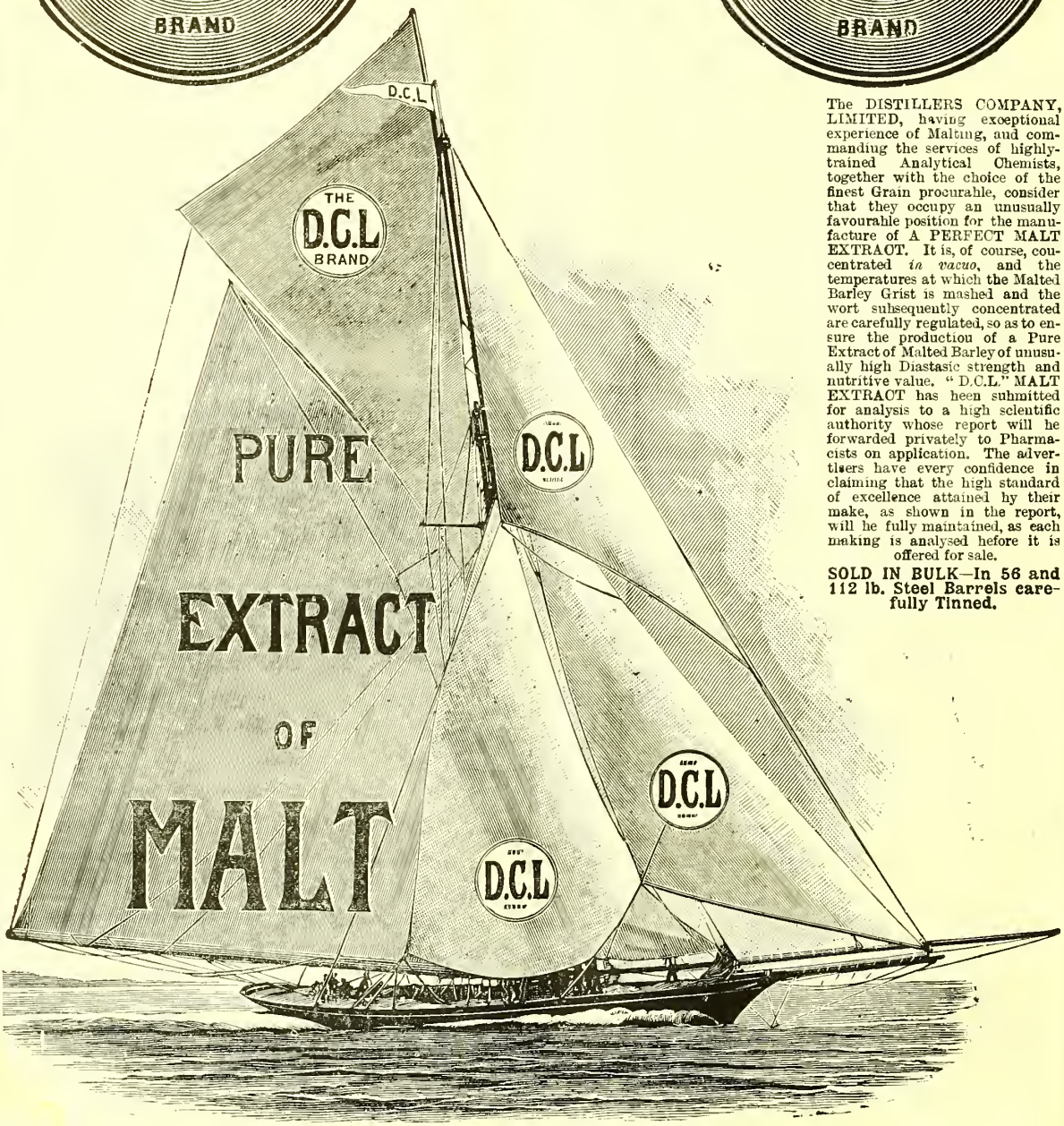
Wallflower.	Lily of the Valley.	Stephanotis.
Millefleur.	Amaryllis.	Frangipanni.
Musk Rose.	Hyacinth.	Patchouli.
Honeysuckle.	White Lilac.	Opoponax.
Jasmin.	White Heliotrope.	Ylang Ylang.
Wood Violet.	Musk.	Violette de Parme.
Ess. Bouquet.	Rondeletia.	Chypre.
Maréchal Niel.	Ambergris.	Mignonette.
Jockey Club.	Narcissus.	Violet.
White Rose.		Clematis.
New Mown Hay.		

3/6 per dozen.

The above Trade Prices are Subject to usual Discounts.

BLONDEAU, ET CIE., Malden Crescent, LONDON, N.W.

A PERFECT MALT EXTRACT

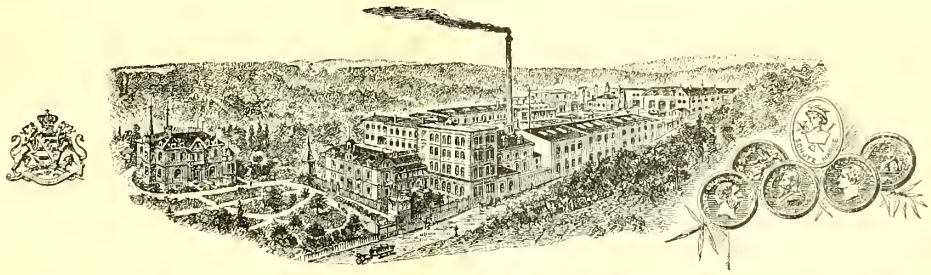


The DISTILLERS COMPANY, LIMITED, having exceptional experience of Malting, and commanding the services of highly-trained Analytical Chemists, together with the choice of the finest Grain procurable, consider that they occupy an unusually favourable position for the manufacture of A PERFECT MALT EXTRACT. It is, of course, concentrated *in vacuo*, and the temperatures at which the Malted Barley Grist is mashed and the wort subsequently concentrated are carefully regulated, so as to ensure the production of a Pure Extract of Malted Barley of unusually high Diastasic strength and nutritive value. "D.C.L" MALT EXTRACT has been submitted for analysis to a high scientific authority whose report will be forwarded privately to Pharmacists on application. The advertisers have every confidence in claiming that the high standard of excellence attained by their make, as shown in the report, will be fully maintained, as each making is analysed before it is offered for sale.

SOLD IN BULK—In 56 and 112 lb. Steel Barrels carefully Tinned.

SAILING AHEAD OF ALL COMPETITORS.

Sole Manufacturers—**THE DISTILLERS CO., LTD., EDINBURGH.**



EUGEN DIETERICH

CHEMICAL WORKS at HELFENBERG, near DRESDEN.

PRICE LIST.

Dieterich's Ferro-mangan Preparations—

Liquor ferro-mangani saccharati (Dieterich)	8-oz. bottle (retail, 2/3); per doz., 20/-.
Liquor ferro-mangani peptonati (Dieterich)	16-oz. bottle (retail, 4/-); per doz., 34/6.
Liquor ferro-mangani peptonati cum iodo (Dieterich)	Can be had unstamped for dispensing.

The ferro-mangan saccharate and ferro-mangan peptonate are unrivalled in their efficacy in all cases of anæmia and chlorosis, and are of very pleasant taste. They do not affect the teeth, and are never refused by patients even if taken for a long time.

The ferro-mangan peptonate with iodine was found to be an excellent substitute for cod-liver oil, especially in summer time, when the use of cod-liver oil is generally discontinued.

Dieterich's Umbilical Rubber Bandage—

Diameter, 70 mm. (retail, 7½*d.*); per doz., 3/10; per gross, 43/6.
Diameter, 90 mm. (retail, 10*d.*); per doz., 5/6; per gross, 63/-.

This umbilical bandage is a very saleable article, and of proved utility; as the price is trifling compared with the bandages now on the market, a trial surely will pay.

Dieterich's Cod-liver Oil Compounds—

Cod-liver oil with: bromine and sulphur, iron and bromine, iron and iodine, iron-manganese and quinine, iron-manganese and bromine, iron-manganese and iodine, iodine and sulphur, iodine and tannic acid, quinine	Retail, 2/-. Per doz., 16/6.
Cod-liver oil with: iron, iron-manganese, iron-manganese and phosphorus, phosphorus	Retail, 1/9. Per doz., 15/-.

Dieterich's cod-liver oil compounds are the best preparations as to taste and efficacy known to the profession.

Dieterich's Tapeworm Cure—

For adults .. .. Retail, 2/6; per doz., 18/6.
For children .. .. Retail, 2/-; per doz., 13/-.

Its unrivalled efficacy in expelling tapeworms is due to the employment of extract of male fern of superior quality in combination with castor oil. Given in that manner a relatively small quantity of the extract is sufficient, and all disagreeable after-effects caused by large doses of the extract are avoided.

Dieterich's Extract of Malted Acorns—

Retail, 1/9; per doz., 12/-.

Was found very useful in rickets of children, and for persons suffering from malnutrition.

Dieterich's Court-plaster—

Please compare Prices.

Spread on silk; width, about 20 inches:

White, flesh-coloured or black, flesh-coloured arnicated or flesh-coloured salicylated ..	Rolls of 1 yard, 4/-; 5 yards, 19/-.

In attractive envelopes containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d.* retail), 2/10 per 100; 12/9 per 500.
Ditto, size 60 by 70 mm. (2*d.* retail), 5/- per 100; 24/- per 500.

In stylish fancy pocket-cases, containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d.* retail), 3/- per 100; 14/- per 500.
Ditto, size 60 by 70 mm. (2*d.* retail), 5/6 per 100; 25/6 per 500.

Customers' name and address will be printed on every envelope or pocket-case at a charge of 1/- per hundred. On buying 500 at the time, of one size, this will be done gratis.

Dieterich's Mustard-plaster—

Cardboard boxes containing:	Leaves 50	100	500
100 leaves each	—	2/3	9/9
50 leaves each	1/5	—	10/6
Lithographed tin boxes containing:			
100 leaves each	—	2/10	12/3
10 leaves each	2/3	—	19/9

Comparing analysis proved that Dieterich's mustard-plaster is the strongest on the market, as no other forms so much mustard-oil when dipped in water as Dieterich's.

Dieterich's Glue-bandages (Colligamen)—

	Per 1 doz. rolls of 1	2	5 yds.
Glue-bandage, with acetate of lead 5 %, or acetate of alum. 5 %; boric acid 3 %, or Hebra ointment 10 %; sublimate 0·1 %, or salicylic acid 3 %; sulphur 10 %, or oxide of zinc 25 %; zinc and salicylic acid 25 %: 5 %, or plain	3/3	6/2	15/5
Glue-bandage, with ichthyol 5 %, or iodoform 5 %; loretin 5 %, or zinc and ichthyol 25 %: 4 % ..	5/-	9/5	23/5
Glue-bandage, with iodide of potassium	4/-	7/9	19/-
Glue-bandage, with mercury 20 %, mercury and soap plaster (20 % Hg.)	6/5	12/3	30/9

Dieterich's Soap Glue Bandages—

Soap glue bandage, with carbolic acid 5 %, or plain	2/7	4/9	11/10
Soap glue bandage, with ichthyol 5 %, or iodide of potash 2 %	3/3	6/2	15/5
Soap glue bandage, with loretin	5/-	9/5	23/5
Soap glue bandage, with sulphur 10 %, or tar 10 %; sulphur and tar 5 % of each	2/7	4/9	11/10

Samples and testimonials may be had free of charge on application to the Sole Agent for the United Kingdom—

M. BUCHNER (H. LEINS, Ph.D., Succ.), English & Foreign Chemist, 149 Houndsditch, **LONDON, E.C.**

Sole Agents for Export—**CHARLES YARROW & CO., 36 BASINGHALL ST., LONDON, E.C.**

TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
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FRENCH & AMERICAN MEDICINES AND TOILET ARTICLES.

A Large Stock held by

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"Mention has been made of a medical discovery. In New York and Boston experiments had been attended with the most astonishing success. . . . The Doctor is a man for ever on the look-out for more knowledge of his profession, and for more remedies to benefit mankind: he hummed and ha'd over the pamphlet in his study, clapped it down after a while and said—'I think there is a great deal in it.'"—(W. M. THACKERAY: "The Adventures of Philip.")

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CACTINA PILLETS, 1s. 6d.,

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They leave a good profit to the retailer.

You will probably be asked for them by Medical Men, remember therefore that

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An uterine tonic and restorative, prepared from the root of *Aletris farinosa*, in combination with aromatics.

CACTINA PILLETS.

Cardiac tonic stimulant, prepared from cactina, the active principle of *Cactus grandiflora*. Each pillet = $\frac{1}{100}$ grain of cactina.

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Nerve tonic, stimulant and anti-spasmodic. Every fl. dr. represents gr. v. each of celery, kola, coca, viburnum and aromatics.

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An hepatic stimulant. From *Chionanthus virginica.*

EXTRACT OF PINUS CANADENSIS

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Non-irritating mucous astringent. Made in two varieties: dark, for internal, and white, for external, use.

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containing, in each fluid drachm, 15 grains of pure bromides of potassium, sodium, ammonium, calcium, and lithium in combination.

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Prepared from True Santal and Saw Palmetto. Acts as an aphrodisiac and a vitalising tonic.

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A powerful digestive secernent, representing the active constituents of the root of *Panax Ginseng.*

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GLUE IN POWDER. MADE BY A NEW PROCESS.

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TRIONAL. Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.

SOMATOSE. An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlorosis, Carcinoma ventriculi Rachitis.

IODOTHYRIN. The active principle of the Thyroid Gland.

SALOPHEN. A Specific for Headache, Influenza, Acute Muscular Rheumatism.

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EUROPHEN. A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.

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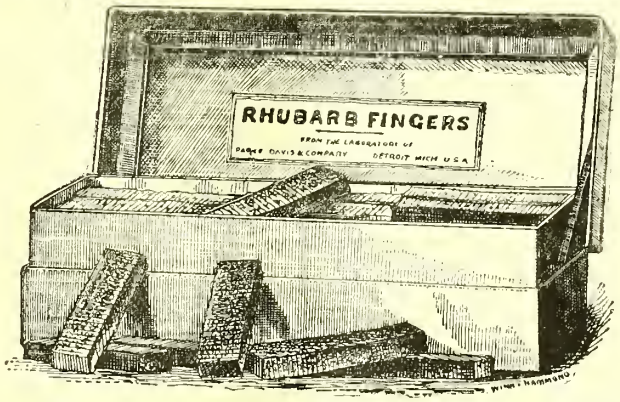
Rhubarb Fingers, or cubes, as ordinarily prepared, are very wasteful—a fact with which every Chemist is familiar. By an improved process we are able to save this waste, and at the same time price the goods at a figure which certainly makes it an object for you to buy them.



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———, Newcastle, March 8, 1897.

GENTLEMEN,—I notice your Ad. in the *C. & D.* for Saturday last. Please send me a copy of your Price-list, &c. With reference to your offer regarding the saving you can give the trade, if your list is satisfactory I will give you an opportunity of verifying the same.

Yours truly, ———

———, Newcastle, March 11, 1897.

GENTLEMEN,—Your Price-list and Samples to hand. I must honestly confess your prices are really an eye-opener; if the goods are as satisfactory in quality as in price, I shall be pleased to do a good trade with you. Please send on the enclosed trial order at your earliest convenience, and oblige,

Yours truly, ———

———, Newcastle, March 27, 1897.

GENTLEMEN,—I reply to yours, I have pleasure in stating that I am perfectly satisfied with the goods I have received; the quality is quite equal to what I have previously had (and I have always been particular in buying the best of everything), and you are quite within bounds in stating that your prices are from 25% to 50% below the usual charges. If you continue to give the same satisfaction, I shall give you my entire trade in the lines you carry, which, though perhaps not a very big item with the retail chemist, your offer to pay carriage on small lots makes it worth any chemist's while to remember you for these goods. Nowadays, when there is so much competition to meet, one must watch the buying end closely, as you state in your Ad.

I am, Gentlemen, yours truly, ———

This is the Grist of over 100 Letters we have lately received.

Send your Name and Address, and we will put you in a position to say the same.

BROOK, PARKER & CO., WHOLESALE DRUGGISTS, **BRADFORD.**

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And all other kinds of Pharmaceutical Preparations.

HUBBUCK'S PURE OXIDE OF ZINC.

Sold by the following Wholesale Druggists, in Boxes of 7 lbs. and 14 lbs., stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:—

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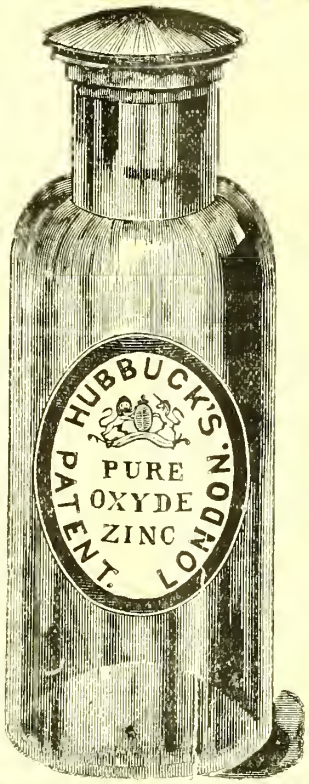

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J. C. STEELE & CO., Victoria Street, GLASGOW.

SPECIALLY SUITABLE FOR EXPORT. Will keep for years in any climate.

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Prepared from the fresh Articular Cartilages and Synovial Membranes of healthy animals. **In Bottles, 3s., 5s. 6d., and 10s.**

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1-oz. Bottles of Tincture of Suprarenal Glands, 2s. 6d.
Pills, in Bottles, 2s. 9d. and 5s.
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EXTRACTUM CORTICIS CEREBRI (Brain Extract).

Price, in Bottles, 3s. and 5s.

BONE MARROW EXTRACT.

Dose.—Half to one teaspoonful two or three times a day.
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PITUITARY BODY PREPARATIONS.

Fluid Extract, 2s. 6d. per oz. Bottles.
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THYROID EXTRACT.

(FOR MYXŒDEMA.)
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THYROIDINE.

Containing the active principle of the Thyroid Glands of the sheep. 4 grains equal to about one-eighth of a fresh gland. Also PILLS and TABLETS, each containing a dose of Thyroidine.
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Tinctures, Ethers, Liniments, and Spirituous Extracts, &c., prepared with purest Spirit, and from best quality of raw Drugs, in accordance with requirements of British and other Pharmacopœias.

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Pure Fine Chemicals, &c., &c.

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Tannic, Gallic, and Pyrogallic Acid.

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CHEMICAL DISINFECTANT.

5, 10, and 15 % CARBOLIC Antiseptic and Deodorising Powder.

Bags and Casks free.

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SANITARY FLUID

In Casks, and in 2, 1, and ½ gallon Tins.

CHESHIRE BIRD LIME.

In 1d., 2d., 3d., and 6d. Tins. Also in 1, 2, 3, and 7 lb. Tins & Casks, for large consumers and the trade.

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Transparent Cement for Broken Articles.

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TIPS, WAFERS, CHALKS.

A NEW WHITE CEMENT.

Inorganic and almost Hydraulic.

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FOR STONE, PORCELAIN, POTTERY, & ALL VITREOUS SUBSTANCES.

Requires no preparation. Easy and clean in application.

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A GOOD PILL and GOOD PROFIT.

1/1½ size	Wholesale Price,	10/-	per dozen.
,, ,, ...	Minimum Retail Price,	1/-	,, box.
2/9 ,, ...	Wholesale Price,	24/-	,, dozen.
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The proprietors will be obliged if Chemists will report all cases of Cutting to

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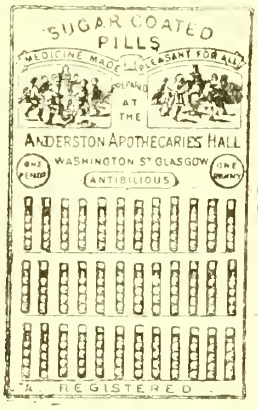
Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Name and Address, CARRIAGE PAID, on receipt of Business Card direct to 173 Seymour Place, London, W.



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Speciality—Private Recipes.

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An excellent Remedy for Biliousness and all Liver and Kidney Complaints.

A GOOD PILL AND PROTECTED PROFIT.

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2/9 ,, ..	Wholesale Price,	24/-	per dozen.
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PREPARED ONLY BY THE

RAYS MEDICINE CO., North Parade & Manor Row, **BRADFORD.**

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AGENTS WANTED EVERYWHERE.

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They stand alone in their might.

The "GIANT" Remedy,

BOX'S PILLS

Re-christened by the Americans

"THE GREAT ENGLISH REMEDY,"

Grapple with and triumph over disease with perfect ease.

Price 1/1½, 2/9, 4/6, 11/-, and £1 1s. per box.

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SOLUBLE PEARL-COATED PILLS
AND
FLEXIBLE GELATINE CAPSULES.
Special NET prices.

Pil. Ferri Blaud, in 10-gross tins, 3½d.; 100-gross tins, 3d. per gross.
In 1-gross metal-capped bottles, 52/- per gross.
Little Aperient or Liver Granules, in metal-capped tubes (40 in each), coated white, 30/- per gross.

APERIENT PILLS.

			10-gross lots.	100-gross lots.
No. 32.	Ext. Aloes Aquos	℈i.		
	Pulv. Cambog.	gr. iv.		
	„ Jalapæ	„ viii.		
	„ Colocynth	„ vi.		
	Hyd. Subchlor.			
	Pulv. Sapo. Hyspan ...	aa „ iv.		
	Gingerin	„ ii.	5*d.*	4*d.*
	Ft. Pil. xii.			

"LITTLE" APERIENT PILL.

„ 265.	Aloin	gr. $\frac{1}{10}$		
	Podophyllin	„ $\frac{1}{5}$		
	Ext. Hyoscy.	„ $\frac{1}{20}$		
	Jalapine	„ $\frac{1}{10}$		
	Ext. Nucis Vom.			
	Capsicine	aa „ $\frac{1}{20}$	5*d.*	4*d.*
„ 1.	Pil. Aloes et Ferri, P.B. ...		5*d.*	4*d.*
„ 2.	„ „ Myrrh, P.B. ...		1/-	11*d.*
„ 4.	„ Colocynth Co., P.B. ...		10*d.*	9*d.*
„ 5.	„ „ et Hyoscy., P.B.		1/-	11*d.*
„ 8.	„ Ipecac. et Scillæ, P.B. ...		6*d.*	5*d.*
„ 10.	„ Rhæi Co., P.B.		5*d.*	4*d.*

BLAUD'S c. ARSENIC.

„ 140.	Pil. Blaudii	gr. v.		
	Acid. Arseniosi	„ $\frac{1}{50}$	5*d.*	4*d.*
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	Acid. Arseniosi	„ $\frac{1}{100}$	5*d.*	4*d.*
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	Ferri Arsenias	„ $\frac{1}{50}$	5*d.*	4*d.*

DANDELION PILLS.

			10-gross lots.	100-gross lots.
No. 272.	Ext. Taraxaci			
	„ Anthem			
	Pulv. Rhei	aa gr. i.		
	„ Aloes Barb.			
	„ Zingib.	aa „ ss	6*d.*	5*d.*
	Ol. Carui	„ ¼		

TIC PILLS.

„ 208.	Quineti			
	Ferri Sulph.	aa gr. ss		
	Ext. Belladon.	„ ¼		
	„ Colchici Acet.	„ ss		
	„ Hyoscyami			
	Camphoræ	aa „ i.	1/-	11*d.*

TONIC PILLS.

„ 131.	Ferri Sulph.	gr. i.		
	Ext. Gentianæ	„ iii.	5*d.*	4*d.*

PENNYROYAL PILLS.

„ 247.	Ol. Pulegii	gtt. ⅛		
	Pil. Aloes et Ferri	gr. iv.	6*d.*	5*d.*

QUININE PILLS.

„ 250.	Quininæ Sulph.	gr. i.	8*d.*	7*d.*
„ 251.	„ „	gr. ij.	1/2	1/-

PERMANGANATE OF POTASH PILLS.

„ 242.	Potass. Permang.	gr. i.	6*d.*	5*d.*
„ 243.	„ „	„ ij.	9*d.*	8*d.*

FLEXIBLE GELATINE CAPSULES.

Bals. Copaibæ, min. 10	8/6	per 1,000;	in boxes containing	36,	5/6 per doz.
Blaud's=two pills	13/-	„	„ „	30,	7/3 „
Cascara Sagrada=½ drachm Liq. Ext. ...	12/6	„	„ „	30,	7/3 „
Compound Senegæ	14/-	„	„ „	24,	7/3 „
Copaibæ, Cubebæ, and Santal.	22/-	„	„ „	36,	12/- „
Creasote, min. 1	8/6	„	„ „	36,	5/6 „
„ „ 2	11/-	„	„ „	36,	6/6 „
Guaiacol, „ 1	12/6	„	„ „	36,	8/6 „
„ „ 2	14/-	„	„ „	36,	10/6 „
Ol. Santal. Flav., min. 10 (English warranted)	32/-	„	„ „	24,	12/- „

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COX'S TASTELESS PILLS.

Our Mr. Cox invented Pearl Coating to render Pills tasteless more than fifty years ago.
The Patent was Dated and Sealed APRIL 13, 1854.

Of course success like this has produced the inevitable Copyist; our prices, however, will be found to compare most favourably with any Makers where best Drugs and Chemicals are used, and we pay all Carriage and Postage.

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GRANULAR & EFFERVESCENT & SCALE PREPARATIONS,
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ALFRED WHITE & SONS.

MANUFACTURING CHEMISTS.

ACIDS, ÆTHERS, AND OTHER CHEMICALS CAREFULLY TESTED AND PACKED FOR EXPORT.

BISMUTH SALTS
Special Prices for Contracts.

MANUFACTURERS OF Acids, Æthers, Sp. Æther Nit., Sp. Ammon. Arom., Liq. Ammonia, Soldering Fluids, &c., and preparations of Alum, Animal Charcoal, Antimony, Baryta, Bismuth Salts, Strontia, Zinc, &c.

Offices and Warehouse—CASTLE STREET, SAFFRON HILL, LONDON, E.C.
Works—WEST DRAYTON, MIDDLESEX.
Telegraphic Address—"ETHER METHYLATED LONDON." ESTABLISHED 1775.
eo

CAUTION.

SUBSTITUTES FOR DR. WILLIAMS'

PINK PILLS FOR PALE PEOPLE

INJUNCTION of the HIGH COURT OF CHANCERY

(Mr. JUSTICE STIRLING, March 26th, 1897).

THE DR. WILLIAMS' MEDICINE COMPANY,
(PLAINTIFFS),

HENRY CLINTON & CO. (trading as Clinton's Drug Stores),
(DEFENDANTS).

Upon motion for an injunction this day made unto this Court by Council for the Plaintiffs, and upon hearing Counsel for the Defendants, and Plaintiffs and Defendants by their respective Counsel consenting to treat the hearing of the said Motion as a Motion for Judgment. This Court doth order and adjudge that the Defendants, their servants and agents, be PERPETUALLY RESTRAINED from passing or attempting to pass off Bottles, Boxes, or Packages of Pills not of the Manufacture of the Plaintiffs, by the use of the term "Pink Pills for Pale People," or in any other way. And it is ordered that the Defendants do forthwith deliver up to the Plaintiffs all labels, bottles, boxes, packages, circulars, and other trade documents, in the possession or power of the Defendants, containing the words "Pink Pills for Pale People," and not referring to or used or intended to be used in conjunction with the Plaintiffs' Pills. And it is ordered that the Defendants Henry Clinton & Co. (trading as Clinton's Drug Stores) do pay to the Plaintiffs, The Dr. Williams' Medicine Company, their costs, up to and including this Judgment, but exclusive of the costs of the account hereinafter directed. And it is ordered that an account be taken of the profits made by the Defendants in manufacturing or selling such bottles, boxes, and packages of pills; and the costs of taking the said account are reserved.

TO THE TRADE.

All information as to infringements will be highly esteemed and will be treated confidentially if sent to the Dr. Williams' Medicine Company, of 46 Holborn Viaduct, London, E.C., or to their Solicitor, Mr. C. Urquhart Fisher, 19 and 20 Holborn Viaduct, London, E.C. It is also notified to the trade that steps are being taken to ascertain in what cases imitations of and substitutes for Dr. Williams' Pink Pills are being offered, and that proceedings will be taken in all instances where such substitution is detected.

DR. LALOR'S

PHOSPHODYNE

For THIRTY YEARS has maintained its world-wide reputation as

THE ONLY SAFE RELIABLE PHOSPHORIC CURE for Brain Wreckage, Paralysis, Sleeplessness, Harassing Dreams, and all Functional and Diseased Conditions of the System dependent upon the Deficiency of the Vital Forces.

DR. LALOR'S

PHOSPHODYNE

HAS THE LARGEST SALE OF ANY PHOSPHORIC MEDICINE IN THE WORLD.

The only Medicine of the kind or name awarded a Certificate of Merit at the Calcutta Exhibition, 1883-4.

TRADE MARK—"PHOSPHODYNE."

THOUSANDS of unimpeachable Testimonials from all parts of the World. No other Phosphoric Preparation has received such exalted praise and distinguished recognition.

To be obtained in Bottles at 4s. 6d. from all Chemists, &c., &c.

MANUFACTURED ONLY AT

DR. LALOR'S PHOSPHODYNE LABORATORY, HAMPSTEAD, LONDON, N.W.

CHEMISTS enclosing Trade Card will be supplied free with a neat Showcard and Bills for Counter.

Chemists' "Own" "Specialities."

BLEASDALE, LIM. YORK.

WHOLESALE CO-OPERATIVE DISTRIBUTORS & MANUFACTURERS FOR CHEMISTS.

Managed by Chemists.

WRITE FOR PRICE LIST.

DUNCAN, FLOCKHART & CO., WHOLESALE AND EXPORT DRUGGISTS, EDINBURGH & LONDON.

CHLOROFORM

Chloroform (DUNCAN'S S.G. 1490) Non-decomposable. PURE & METHYLATED.

This contains about 1 per cent. Absolute Alcohol, but in other respects is identical with our ordinary make (S.G. 1497), which contains about ½ per cent. While this minute proportion of Alcohol in no way affects its anæsthetic power, it renders the Chloroform PRACTICALLY NON-DECOMPOSABLE.

N.B.—We are now bringing this Chloroform prominently before the Medical Profession, but we continue to send out Sp. Gr. 1497 where Sp. Gr. 1490 is not specially ordered. We recommend the latter for export, particularly to warm climates.

LONDON BRANCH—38 & 39 SNOW HILL. Telephone No. 65282, Holborn.

J. ROBBINS & Co. 147 OXFORD ST.

METHYLENE.

Obtained by the action of Metallic Zinc on Chloroform and Alcohol.

Discovered to be a general Anæsthetic by Sir BENJAMIN W. RICHARDSON in 1867.

1-lb. Stoppered Bottle, 12s.; ½-lb., 6s. 6d.; 4-oz., 3s. 6d.; 2-oz., 2s.

COMPOUND ANÆSTHETIC ETHER,

For producing Local Anæsthesia.

In 4-oz., 10-oz., and 20-oz. Stoppered Bottles, 2s., 4s., and 7s.

OZONIC ETHER,

In 2-oz., 4-oz., 8-oz., and 16-oz. Stoppered Bottles, 2s., 3s. 6d., 7s., and 12s.

PEROXIDE OF HYDROGEN,

First introduced as a Medicine by Sir BENJAMIN W. RICHARDSON.

ETHYLATE OF SODIUM

(Sir BENJAMIN W. RICHARDSON'S Formulæ), for removing Nævi, &c.

In ½-oz. and 1-oz. Bottles, with elongated Stoppers for applying the Caustic, 2s. 6d. & 4s.

STYPTIC COLLOID,

For promoting the Healing of Wounds by the first intention.

In 2-oz. and 4-oz. Bottles, with Brush, 2s. 6d. and 4s. 6d.; 16-oz., 12s.

CHARCOAL CAPSULES,

Containing Pure Vegetable Ivory Charcoal.

In Boxes, 2s. 6d. each.

J. ROBBINS & Co. 147 OXFORD ST.

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FORMALDEHYDE.

Original Make.

SOLE AGENTS FOR THE UNITED KINGDOM—

J. NORRENBERG & CO.

CANNON STREET BUILDINGS,

139 CANNON STREET, LONDON, E.C.

MANCHESTER DEPOT—

D. LAWTON & CO.

TREVELYAN BUILDINGS,

52 CORPORATION STREET, MANCHESTER

NEURACETIN.

Action: Antipyretic.
Analgesic.
Anti-neuralgic.
Anodyne.

Relieves pain and reduces the temperature, at the same time free from unpleasant after-effects.

Supplied in powdered form in 1 oz. boxes at **1/6**; also in 5 grain pellets, in bottles of 1 oz., at **2/-**. **Dose: 5 to 10 Grains.**

WYLEYS, LIMITED,

Manufacturing Chemists, COVENTRY.

BARTLETT HOOPER & CO.

Wish to call the especial attention of the trade to the following lines.

CAPSULES SPECIALLY PREPARED FOR EXPORT TRADE.

HOOPER'S SANDAL WOOD OIL CAPSULES. These Capsules are guaranteed to contain absolutely the finest English-drawn Sandal Wood Oil possible to procure, and a guarantee to this effect accompanies every invoice. They are well made, and put up in attractive circular metal boxes, 24 Capsules in each box. Price 13/- doz. boxes.

THE UNIVERSAL CAPSULE. A very saleable line. Put up in oval card boxes, 36 Capsules in each box, and with a most attractive label (our registered design). Price 9/- doz. boxes.

HOOPER'S COPAIBA CAPSULES. These Capsules are filled with the finest Maranham Copaiba, and are put up in oval card boxes, splendidly labelled, 36 Capsules in each box. Price 6/- doz.

Terms—One month or journey 5 per cent. *Carriage paid on orders of 10/- and upwards.*

We also supply our Capsules in bulk at per 1,000, or in boxes, bearing our customers' name and address.

Our Capsules are undoubtedly the Best on the Market.

A TRIAL ORDER RESPECTFULLY SOLICITED.

BARTLETT HOOPER & CO.

Manufacturers of Capsules, Cachous, Compressed Pellets, Fumigating Pastilles, Glycerine Suppositories, &c.

PRICE LIST FREE ON APPLICATION.

134 UPPER THAMES STREET, LONDON, E.C.

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CORBYN, STACEY & CO.

Wholesale and Export Druggists,

300 HIGH HOLBORN.

Office and Postal Address:

22 GREAT ST. HELEN'S, LONDON, E.C.

MANUFACTURERS OF ALL

PHARMACEUTICAL PREPARATIONS.

ANALYTICAL CHEMISTS.

Orders for GELATINE COATED and all other Pills of our own make executed with dispatch.

In all Pills containing Extr. Coloc. Co. we use "Corbyn's."

DRUG List, PILL List, and PERFUME List on application.

Special Quotations for Large Quantities. *Telegraphic Address—"Colocynth London."*

BOWDLEAR'S FLOOR WAX

Testimonials from the most prominent teachers in the United States.

Testimonials from the most prominent teachers in the United States.

Pulverised. For Dancing Floors. Is not white. Will not ball on the feet. Will not soil clothes. All ready. Anybody can apply it.

The floor must be clean and free from oil. Sprinkle, and the dancers will do the rest. Put up in pound packages, in cases of 36 pounds.

One pound is sufficient for a floor space of 10,000 square feet, and if not wasted will be found to go four times as far as anything else on the market. No dust is another feature in its favour.

SAMPLES SENT ON REQUEST.

W. H. BOWDLEAR & CO., 149 Pearl St., Boston, Mass., U.S.A.

64

EVANS' SALINE.

A medical man often wants to prescribe an Effervescing Saline with Chlorate of Potash, but is unable to do so for want of a Saline with a published percentage of Chlorate. Moreover, by the nature of its manufacture, a chemist is unable to dispense it in a limited time, even if prescribed. The above Saline is now stocked by many chemists, and thus a real difficulty is obviated.

The peculiarity of this Saline is that the Chlorate of Potash, in the proportion of about 2 per cent. (really 1·9), is in a state of minute subdivision, with, at the same time, a slight excess of Tartaric Acid. The latter gives a pleasant sharpness to the effervescing draught, whilst the former seems to have almost a "specific" effect in bilious headache and a feverish system.

Evans, Lescher & Webb, LONDON. **Evans, Sons & Co.** LIVERPOOL.

EVANS AND SONS (LIM.) MONTREAL.

[12]

"THE LEADING HOUSE"

For "Private Brands" of milled and superfatted Soaps, toilet as well as medicinal. We put up for the trade as a specialty all kinds of Dentifrices, Saponaceous Powder, Paste in Collapsible Tubes, &c., &c.

31 & 35 DANBURY STREET, ISLINGTON, LONDON, N.

H. BRONNLEY & CO., LIM., LARGEST TOOTH SOAP COMPRESSERS IN THE WORLD.

COD LIVER OIL

"HENRIKSEN & CO.'S" Brand.

Guaranteed Pure. Very Finest **1897** *Lofoden Non-freezing.*

FOR SAMPLES AND PRICES APPLY TO

R. MORRISON & CO., 2 Fen Court, LONDON, E.C.

Sole Agents for the United Kingdom and Colonies.

"HENRIKSEN & CO." are actual Manufacturers, & were awarded Gold Medals at the Tromsö Exhibitions in **1870** and **1894.**

THE LATEST SENSATION IS

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BEST SELLING CACHOU IN THE WORLD.

6/- *Per Box of—* **40 3d. Pkts.,** and **40 Free Samples.**

Order a Box from your Wholesale House. If they have not stocked it, send us P.O. for 6/-, and we will send you a Box, carriage paid.

OUR price is 6s. PAY NO MORE.

SEN-SEN COMPANY,

9 Farringdon Avenue, LONDON, E.C.

'AMBROSIA'

(Malt with Devonshire Cream).

Yields to the Retailer OVER

35%

PROTECTED PROFIT ON OUTLAY

Circulars and Physicians' Samples FREE.

SOLE MAKERS—

EVANS, GADD & CO.

EXETER, DEVON.

HIGHEST AWARD, CHICAGO, 1893.

T. & H. SMITH & CO., EDINBURGH & LONDON,

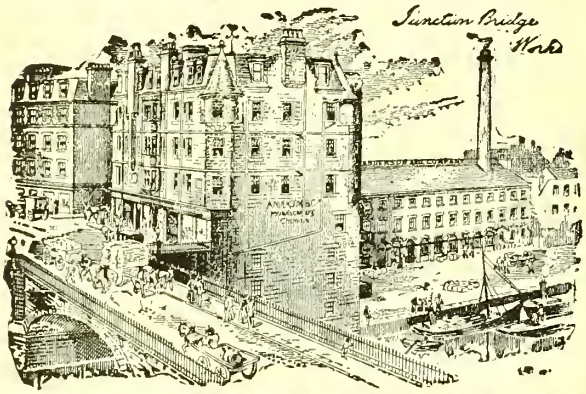
Are the ONLY MANUFACTURERS of the

SALTS OF MORPHIA

To whom, at the UNIVERSAL EXHIBITION, in PARIS, 1878, the

GOLD MEDAL WAS AWARDED.

NEW YORK Office—20 Cedar Street: DILLON & CO., Agents. [2]



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HOME.] AND [EXPORT.

ITS COMBINATIONS.

GUARANTEED ABSOLUTELY PURE AND OF HIGH DIASTASIC VALUE.

TRIAL ORDER SOLICITED.

ANDERSON & CO., Wholesale Manufacturing Chemists,

EDINBURGH.

TELEGRAMS "RELISH" LEEDS.

NAT. TELEPHONE No. 954.

GOODALL BACKHOUSE AND COMPANY

7 TO 15 WHITEHORSE ST.

SOVEREIGN ST. & VICTORIA ROAD

LEEDS.

MANUFACTURING CHEMISTS — WHOLESALE DRUGGISTS,

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Patent Medicine Dealers, Druggists' Sundriesmen,

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PROPRIETORS OF

YORKSHIRE RELISH & GOODALL'S HOUSEHOLD SPECIALITIES.

PRICE LISTS OF DRUGS, PATENT MEDICINES, AND PACKED GOODS ON APPLICATION.

Net Cash Prices Quoted for Wholesale Quantities. Inquiries Solicited.

RAIMES & CO., YORK

WHOLESALE DRUGGISTS

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Manufacturing Chemists.

Prices Current

OF

DRUGS & CHEMICALS.

With Latest Market Report, issued Monthly.

Also **Special** Net Cash Price List

OF

PATENT MEDICINES AND PROPRIETARY ARTICLES.

Copies of the above sent on receipt of Trade Card.

LOFTHOUSE & SALTMER,

MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL.

Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of CITRATE OF MAGNESIA.

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all

Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and **Blaud's Pill Capsules**, equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be ent on application from either the Wholesale or Retail Trade.

Telephone No. 4589, Hop. Telegraphic Address—"TERPINOL LONDON."

DRUGS, PURE CHEMICALS, AND PHARMACEUTICAL PREPARATIONS

OF BEST QUALITY.

SPECIALITIES.—Mistura Bismuthi Co. (Tonic Digestive); Mistura Cerii Co. (all the Preparations of Cerium); Glycerol Pepsine et Euonymin (Digestive Cholagogue); Glycerol Podophylli (Cathartic); Mistura Cascaræ Sagradæ Co. (Tonic Laxative); OL. EUCALYPTI, P.B.; Eucalyptol Disinfectants; Oxychlorogene Disinfectants; Carbolic Acid; Carbolic Powders.

NEW SOLUBLE TRANSPARENT AND PEARL-COATED PILLS.

Pills of the Pharmacopœias and private formulæ as required. Full lists and quotations on application.

SPECIAL QUOTATIONS FOR GRINDING.

MACKEY, MACKEY & CO., 175 GRANGE ROAD, BERMONDSEY, S.E.

Contractors to Her Majesty's Government, Wholesale and Export Druggists and Manufacturing Chemists.

DRUG GRINDERS and IMPORTERS.

GOOD PROFITS GUARANTEED.

Dr. J. COLLIS BROWNE'S

CHLORODYNE

Has been placed on the **P.A.T.A. LIST**, and the minimum retail prices are for

1/1½	2/9	4/6	11/-
1/-	**2/6**	**4/-**	**10/-**

Prices to Trade:

9/- 23/6 38/- 95/- per dozen.

This preparation does not contain any poison which is included in Part 1, Schedule A, of the Poisons Act; therefore the Signature of the purchaser is not required.

Chemists who study their own reputations should never be thoughtless enough to sell an imitation Chlorodyne. Any first-class old-established Chemist will tell you that Dr. Browne's preparation is the only genuine Chlorodyne.

I have placed the Original Chlorodyne on the Protected List, because, although about 25 per cent. only of the Chemists have seen fit to actually join the P.A.T.A., I have reason to believe that a large majority is in favour of a guaranteed profit.

Yours faithfully,

J. T. DAVENPORT,

33 GREAT RUSSELL STREET, W.C.

Sole Manufacturer of Dr. J. COLLIS BROWNE'S CHLORODYNE for upwards of 40 years.

A STARTLER!!

THE Queen's reign has been characterised by many innovations. The old has given way to the new, the obsolete to the modern; and many new things have sprung up, totally undreamt of in the early part of the reign.

A new creation to Chemists near at home—under their very eyes, so to speak—and one which has startled many, is the advent of DAISY. Four years ago in embryo, to-day it is known in every part of the civilised world. DAISY has been sent to the remotest parts of the two hemispheres. The first fifteen months 500,000 were sold. The second year 2,500,000 were sold; and now, the third year, the sales are averaging the enormous total of 6,000,000 (Six Millions) DAISIES yearly. Perhaps not a bad three years' work.

See next few pages for a Jubilee Gift.

DAISY, Limited, LEEDS.

Copyright. **Wires—"Daisy Leeds."**

We will take you into Partnership !!!

We will make it worth your while to join in this success. Let us both combine, or "hitch up," to push business along. We offer you advantages which, acting yourself, singly, you cannot obtain. Union is strength, and Æsop illustrates our point admirably when he instances the two sons snapping twigs easily between the fingers, but failing completely, although expending might and main, to break them when tied into a bundle.

We are willing to lend you free, carriage paid both ways, an attractive unique display, which will draw CROWDS to the window. It comprises a first-class mechanical figure of a man, clad in fashionable attire—collar, cuffs, gloves, felt hat, patent leather shoes, red socks, &c., leaning over a board on an ornamental stand, turning his head, moving his eyes, and pointing to the board, which states "smart" reasons for buying DAISY. The only condition is that we receive the moderate order of 1 gross large DAISY, or its equivalent, value a little over £5. It has *never yet failed* to produce most gratifying results, and win very flattering comments from a delighted public.

See next two pages for a Jubilee Gift.

DAISY, Limited, LEEDS.

Copyright.

The Moderate Conditions.

As before mentioned, we loan the display free (for one month's clear use), and pay the carriage both ways, upon receipt of an order for 12 dozen large size. We would invoice these at the special price of 9*s.* 9*d.* per dozen, less 7½ per cent. cash, 2½ per cent. monthly, or net after. Each cartoon contains twenty DAISIES. These retail principally in two's, three's, and four's, at one penny each (foreign countries in proportion). They thus cost net £5 8*s.*, and sell for £12, showing a profit of £6 12*s.*, or over 100 per cent. profit. Prices are not cut, as DAISY is under the P.A.T.A.'s maternal wing. DAISY sells *rapidly*. Headache is a frequent ailment, the price is popular, and it is extensively and variedly advertised. Showcards of high artistic merit, Counter Bills, Art Chromo Sheets, Coins, Window Curtain, Palm Leaves, Flowers, accompany each order, and there is not the slightest fear of the DAISY rapidly selling.

See next page for a Jubilee Gift.

DAISY, Limited, LEEDS.

Copyright.

A JUBILEE GIFT.

In honour of the Diamond Jubilee we have decided to set apart June 30th (many Chemists being in London during the actual week) for a special Bonus Day. All Orders **sent** us on June 30th, and **received** by us on the same day or the day after (June 30th and July 1st) will be awarded a Bonus of One Box per dozen; in other words, all June 30th Orders will be executed Thirteen Boxes to the dozen, Chemists or Wholesale Druggists, large size or small. Kindly note the date—June 30th Orders only—neither before nor after.

PRICE LIST.

7½d. size, 10 Daisies in each box,	5/8 per dozen		7½% cash with order.
Large size, 20 ,, ,, ,,	10/9	,,	2½% one month, net after.
Not less than 3-dozen lots...	10/3	,,	
,, ,, gross lots ...	9/9	,,	Carriage paid.

We are willing to send one dozen of each size on Sale or Return Terms, with 1,000 Bills, Showcards, and Art Chromos.

No Sales, No Pay.

Mutual Advertising Circulars 6d. & 7½d. per 1,000, car. paid. Send for samples.

DAISY, Limited, (Protected by upwards of 30 Registrations, &c.).

Director—Councillor JOHN WORMALD.
Secretary—THOS. PEARSON, F.R.G.S.
Governing Director—JOHN ELLIS.

Faraday Works, Leeds.

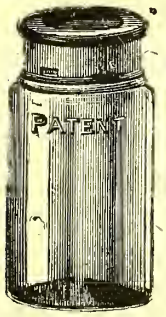
HEARN'S BOTTLES

ARE THE BEST IN THE MARKET.

BOTTLES, &c., of ANY SHAPE OR COLOUR, at the most Reasonable Prices.

HEARN, WRIGHT & CO. (Late E. A. Hearn & Co.), Wholesale & Export Glass Bottle Manufacturers, Eclipse Glass Works, Chatsworth Road, Clapton, **London, E.**

R. H. BARRETT'S PATENT CAPPED BOTTLE



The only REALLY PERFECT Bottle for Vaseline, Pomades, Dry Powders, &c.

PRICES. Tall Series:—

Fitted with STRONG METAL CAPS, CORK-LINED; in Various Colours, very attractive in appearance:

1 oz. 11/-; 1½ oz. 11/6; 2 oz. 12/-; 3 oz. 15/-; 4 oz. 16/6 per gross, &c.

Special Prices on application for Quantities.

CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

R. H. BARRETT,

FLINT GLASS BOTTLE WORKS.

THE OVAL, CAMBRIDGE HEATH, LONDON, E.

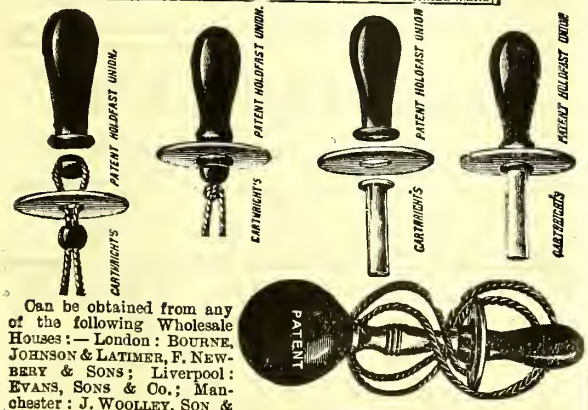
Telegraphic Address—"FOREFRONT LONDON."

A. S. CARTWRIGHT,

Patentee and Manufacturer of all kinds of

PACIFIERS FOR CHILDREN WHEN TEETHING, FOOD REGULATORS, BOTTLE UNIONS, &c.

75 Ford St., Hockley, Birmingham



Can be obtained from any of the following Wholesale Houses:—London: BOURNE, JOHNSON & LATIMER, F. NEWBERY & SONS; Liverpool: EVANS, SONS & CO.; Manchester: J. WOOLLEY, SON & CO.; Birmingham: SOUTHALL BROS. & BARCLAY; Sydney: ELLIOTT BROTHERS (LIMITED); Melbourne: FELTON, GRIMWADE & CO.

DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. .. 7/6 per gross.	10 & 12 oz. .. 12/- per gross.
6 ,, 8 ,, ... 8/6 ,,	16 ,, .. 16/- ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz. .. .. 3/6 per gross.	1½ oz. .. .. 4/6 per gross.
,, ... 3/9 ,,	2 ,, ... 5/- ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 MIDLAND ROAD, ST. PANCRAS, LONDON.

Established 50 years. *Bankers—London and Westminster Bank.*

WORKMEN'S HEALTH-PROTECTING AND SAFETY APPLIANCES (REGD.).

PREVENTING DISEASE & PROLONGING LIFE

Respirator or Lung Preserver

To Protect the LUNGS and THROAT from Dust, Poisonous Gases, and other Impurities.

Adapted for use in White-lead Works, Paint and Colour Works, Chemical and Pulverising Works, Tobacco and Snuff Factories, Iron Works, Smelting and Refining Works, Paper Mills, &c., &c.

PRICE, carriage paid, 6/- each net.

Improved Safety Spectacles.

The most complete invention of its kind. Does not hinder the sight.

Price, per doz., carriage paid, from 24/- net. *Write for Prospectus.*

ZIMMER & CO.,
82 Mark Lane, London, E.C.
AGENTS WANTED.

73

PRICE LISTS ON APPLICATION.

SOLPORT BROS.,

66 SHAFTESBURY STREET,
NEW NORTH ROAD,
LONDON, N.

ESTABLISHED 1857.

Telegrams: "SOLPORT LONDON."

MANUFACTURERS (Wholesale & Export) **OF**

Corn, Bunion, & Court Plasters.
Gold Beater's Skin.
Bath and Flesh Gloves, Straps and Pads.
Loofah Bath Gloves, Straps and Pads.
Chest Protectors.
Finger Stalls.
Eye Shades.
Vaccination Shields.
Loofah Socks for Boots & Shoes.
Respirators, &c., &c.

SOLPORT'S "FURFELT" CHEST PROTECTORS.

ANTISEPTIC DRESSINGS.

ISDAMA TRADE SDAM MARK. BRAND.

Every package bears this Trade Mark in white letters on a red ground.

Please specify **MILNE'S** on orders not sent direct, to ensure getting Lord Lister's authorised preparations.

ABSORBENT WOOL. GAUZE. LINT.

OILED SILK. SURGICAL SPONGES. SHEETINGS. JACONETS. LIGATURES.

Enquiries from Chemists desirous of supplying local Institutions promptly attended to.

JOHN MILNE, Antiseptic Dressings Factory, **LADYWELL, LONDON, S.E.**

SURGICAL LINTS, BANDAGES,

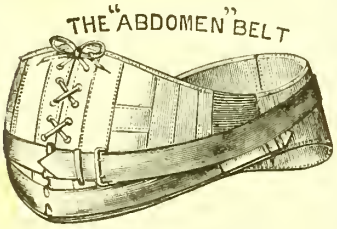
BLEACHED, GREY AND ABSORBENT COTTONS.

SURGEONS' TOW. **PROTECTIVE LINT**

TELEGRAMS
"LINT LIVERPOOL."

WORKS:
MARK ST. MILLS, LIVERPOOL.

THE LIVERPOOL LINT CO.



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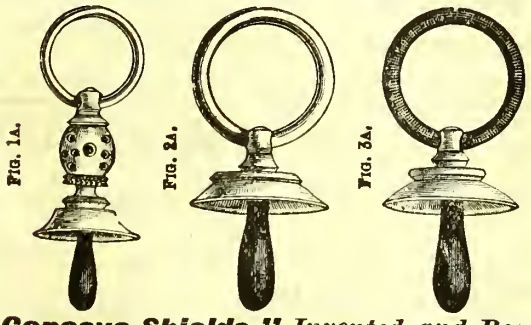

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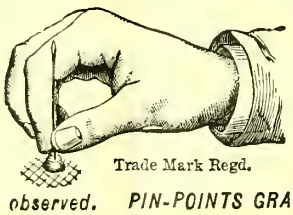

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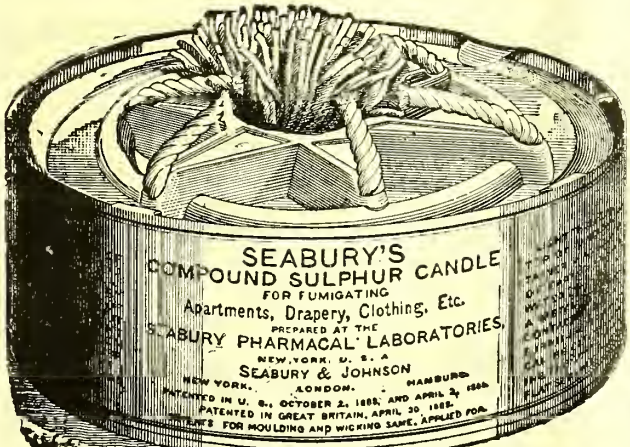

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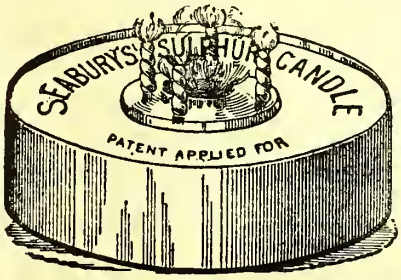

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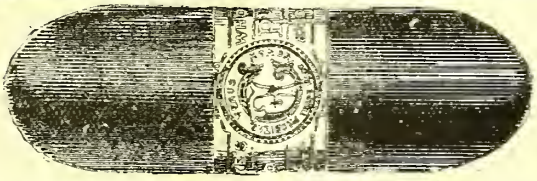

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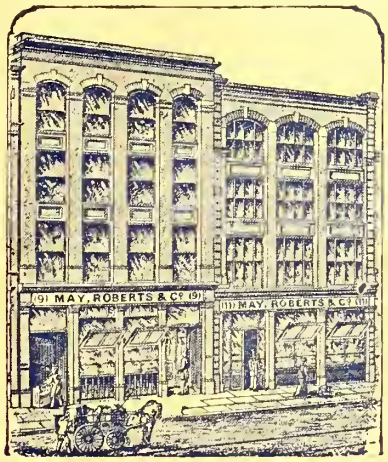

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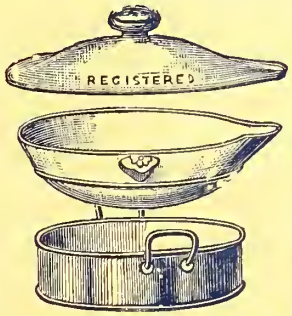

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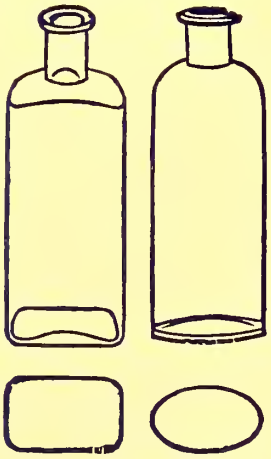

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8/9	8/9	8/9	9/10	9/10	11/3	11/3	16/9	16/9	20/-	24/-	30/-	40/6	47/-	per gross.

ORDINARY TINT. M.R. Brand. Second Quality.

1	1½	2	3	4	6	8	10	12	16	20	24	32	40	ounce.
6/7	6/7	6/7	7/3	7/3	8/6	8/6	10/9	12/3	16/10	19/3	22/9	26/6	29/-	per gross.

PRICES: IN CRATES SENT DIRECT FROM THE WORKS.

W. Brand.

1	1½	2	3	4	6	8	10	12	16	20	24	32	40	ounce.
8/1	8/10	9/-	10/3	10/3	11/6	11/6	17/6	17/6	21/-	26/-	31/6	41/6	47/-	per gross.

M.R. Brand. Very Best Quality.

1	1½	2	3	4	6	8	10	12	16	20	24	32	40	ounce.
8/7	8/7	8/7	9/4	9/4	10/9	10/9	16/-	16/-	19/-	23/-	28/6	38/6	45/-	per gross.

M.R. Brand. Second Quality.

1	1½	2	3	4	6	8	10	12	16	20	24	32	40	ounce.
6/5	6/5	6/5	7/-	7/-	8/-	8/-	10/3	11/9	16/-	18/3	21/9	25/3	28/9	per gross.

USUAL TERMS. NOT LESS THAN £5 WORTH CARRIAGE PAID.

MAY, ROBERTS & CO., 9 & 11 Clerkenwell Road, LONDON.

Cadbury's Cocoa

ABSOLUTELY PURE therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture. Absolutely Pure." *The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

UNDER EMINENT SCIENTIFIC CONTROL

"APENTA"

THE BEST NATURAL APERIENT WATER.

Trade Prices:

Per Case.

25 Large Bottles	-	20/-
50 Small ,,	-	32/6
100 Quarter ,,	-	32/6

Carriage Paid to any Railway Station in the United Kingdom.

5 per cent. Discount upon orders for 10 Cases.

TERMS:—Six Months' Credit from date of Invoice, Net Cash.

The retail prices printed on the labels are **1/3** per large bottle, **1/-** per small bottle, and **6d.** per quarter bottle.

THE APOLLINARIS COMPANY, LIM.

4 Stratford Place, Oxford Street, London, W.

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